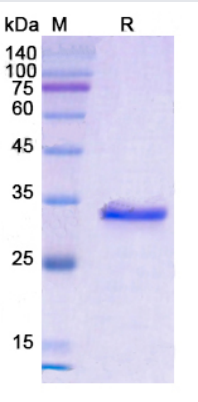
CD19 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	CD19, Recombinant Protein
Full Product Name	Recombinant Human CD19, N-His
Product Gene Name	CD19 recombinant protein
Product Synonym Names	CD19; Differentiation antigen CD19; T-cell surface antigen Leu-12; B-lymphocyte antigen CD19; B-lymphocyte surface antigen B4
Host	E coli
Form/Format	Lyophilized from a solution in PBS pH7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	61,128 Da
Sequence Positions	Pro20-Lys291
Chromosome Location	Chromosome: 16; NC_000016.9 (28943260..28950668). Location: 16p11.2
OMIM	107265
3D Structure	ModBase 3D Structure for P15391
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for CD19 recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for CD19 recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for CD19 recombinant protein	MBS1573436 is a recombinant protein targeting CD19. Also known as Recombinant Human CD19, N-His. Host: E coli.
Other Notes	Small volumes of CD19 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of CD19 recombinant protein
SDS PAGE for recombinant Human CD19

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD19. It may not necessarily be applicable to this product.

NCBI GI #	296010921
NCBI GeneID	930
NCBI Accession #	NP_001171569.1
UniProt Primary Accession #	P15391
UniProt Secondary Accession #	Q96S68; Q9BRD6; A0N0P9
UniProt Related Accession #	P15391
GenBank Nucleotide #	NM_001178098.1
NCBI Official Full Name	B-lymphocyte antigen CD19 isoform 1
NCBI Official Synonym Full Names	CD19 molecule
NCBI Official Symbol	CD19
NCBI Official Synonym Symbols	B4; CVID3
UniProt Protein Name	B-lymphocyte antigen CD19
UniProt Synonym Protein Names	B-lymphocyte surface antigen B4; Differentiation antigen CD19; T-cell surface antigen Leu-12
Protein Family	B-lymphocyte antigen
UniProt Gene Name	CD19
UniProt Entry Name	CD19_HUMAN
NCBI Protein Information	B-lymphocyte antigen CD19; differentiation antigen CD19; T-cell surface antigen Leu-12; B-lymphocyte surface antigen B4
NCBI Summary for CD19	Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. [provided by RefSeq, Jul 2008]

UniProt Comments for CD19	CD19: a cell surface molecule which assembles with the antigen receptor of B lymphocytes. A critical signal transduction molecule that regulates B lymphocyte development, activation, and differentiation. Ligation increases intracellular calcium levels and decreases the threshold for antigen receptor signaling. Germinal center formation is significantly reduced in CD19-deficient mice. Protein type: Cell surface; Membrane protein, integral Chromosomal Location of Human Ortholog: 16p11.2 Cellular Component: protein complex; integral to plasma membrane; plasma membrane; external side of plasma membrane Molecular Function: receptor signaling protein activity Biological Process: epidermal growth factor receptor signaling pathway; B cell receptor signaling pathway; regulation of immune response; cell surface receptor linked signal transduction; fibroblast growth factor receptor signaling pathway; phosphoinositide-mediated signaling; nerve growth factor receptor signaling pathway; cellular defense response; innate immune response; positive regulation of release of sequestered calcium ion into cytosol Disease: Immunodeficiency, Common Variable, 2; Immunodeficiency, Common Variable, 3
Research Articles on CD19	**1.** The resulting CD19(high)/CD19(low) B-cell ratio increased markedly in the milk-tolerant group.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/cd19/1573436