CD37 Human Protein

PRODUCT OVERVIEW

Product Name	CD37, Protein
Full Product Name	Human CD37-Strep full length protein-synthetic nanodisc
Product Gene Name	CD37 protein
Product Synonym Names	GP52-40; TSPAN26
Host	HEK293
Form/Format	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with pH lower
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Molecular Weight	22,563 Da
OMIM	151523
3D Structure	ModBase 3D Structure for P11049
Tag	C-DYKDDDDK&Strep
Product Categories/Family for CD37 protein	Hematopoietic cell lineage
Related Product Information for CD37 protein	The protein is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It may play a role in T-cell-B-cell interactions. Alternate splicing results in multiple transcript variants encoding different isoforms.
Other Notes	Small volumes of CD37 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.
Searchable Terms for CD37 purchase	MBS1883210 is a protein targeting CD37. Also known as Human CD37-Strep full length protein-synthetic nanodisc. Host: HEK293.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD37. It may not necessarily be applicable to this product.

NCBI GI #	91807110
NCBI GeneID	951
NCBI Accession #	NP_001035120.1
UniProt Primary Accession #	P11049
UniProt Secondary Accession #	Q3KPF9; B4DVC1
UniProt Related Accession #	P11049

GenBank Nucleotide #	NM_001040031.1
NCBI Official Full Name	leukocyte antigen CD37 isoform B
NCBI Official Synonym Full Names	CD37 molecule
NCBI Official Symbol	CD37
NCBI Official Synonym Symbols	GP52-40; TSPAN26
UniProt Protein Name	Leukocyte antigen CD37
UniProt Synonym Protein Names	Tetraspanin-26; Tspan-26; CD_antigen: CD37
Protein Family	Leukocyte antigen
UniProt Gene Name	CD37
UniProt Synonym Gene Names	TSPAN26; Tspan-26
UniProt Entry Name	CD37_HUMAN
NCBI Protein Information	leukocyte antigen CD37
UniProt Comments for CD37	CD37: is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It may play a role in T-cell-B-cell interactions. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008] Protein type: Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 19q13.3 Cellular Component: immunological synapse; integral to plasma membrane; membrane Molecular Function: protein binding Biological Process: cell surface receptor linked signal transduction
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.
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