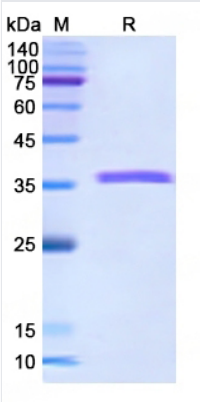
RHD Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	RHD, Recombinant Protein
Full Product Name	Recombinant Human RHD, N-GST
Product Gene Name	RHD recombinant protein
Product Synonym Names	CD240D; RHXIII; Blood group Rh(D) polypeptide; Rh polypeptide 2; RhPII; Rhesus D antigen; RHD
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	41,694 Da
Sequence Positions	Ser2-Gly87
OMIM	X63097 mRNA
3D Structure	ModBase 3D Structure for Q02161
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for RHD recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for RHD recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for RHD recombinant protein	MBS1574447 is a recombinant protein targeting RHD. Also known as Recombinant Human RHD, N-GST. Host: E coli.
Other Notes	Small volumes of RHD 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 RHD recombinant protein
SDS PAGE for recombinant Human RHD

ADDITIONAL DETAILS

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

NCBI GI #	189095266
NCBI GeneID	6007
NCBI Accession #	NP_001121163.1
UniProt Primary Accession #	Q02161
UniProt Secondary Accession #	Q02162; Q07618; Q16147; Q16235; Q16355; Q5VSK0; Q5XLS9; Q5XLT1; Q5XLT2; Q9NPK0; Q9UQ20
UniProt Related Accession #	Q02161
GenBank Nucleotide #	NM_001127691.2
NCBI Official Full Name	blood group Rh(D) polypeptide isoform 2
NCBI Official Synonym Full Names	Rh blood group D antigen
NCBI Official Symbol	RHD
NCBI Official Synonym Symbols	RH; Rh4; RH30; RhII; RhPI; DIIIc; RHCED; RHDel; RHPII; RhDCw; CD240D; RHXIII; RHDVA(TT); RhK562-II
UniProt Protein Name	Blood group Rh(D) polypeptide
UniProt Synonym Protein Names	RHXIII; Rh polypeptide 2; RhPII; Rhesus D antigen; CD_antigen: CD240D
UniProt Gene Name	RHD
UniProt Synonym Gene Names	RhPII
NCBI Protein Information	blood group Rh(D) polypeptide
NCBI Summary for RHD	The Rh blood group system is the second most clinically significant of the blood groups, second only to ABO. It is also the most polymorphic of the blood groups, with variations due to deletions, gene conversions, and missense mutations. The Rh blood group includes this gene, which encodes the RhD protein, and a second gene that encodes both the RhC and RhE antigens on a single polypeptide. The two genes, and a third unrelated gene, are found in a cluster on chromosome 1. The classification of Rh-positive and Rh-negative individuals is determined by the presence or absence of the highly immunogenic RhD protein on the surface of erythrocytes. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for RHD	May be part of an oligomeric complex which is likely to have a transport or channel function in the erythrocyte membrane.
Research Articles on RHD	**1.** Six weak D types in the Russian Federation: the most common type 3 (49.2%) and type 1 (28.6%), type 2 (14.3), type 15 (4.8%), type 4.2 (DAR) (1.6%) and type 6 (1.6%).

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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