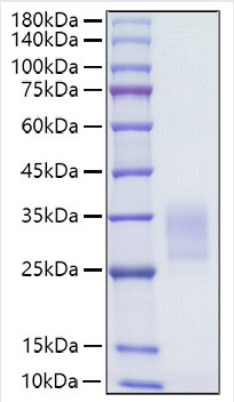
CD7 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	CD7, Recombinant Protein
Full Product Name	Recombinant Human CD7 Protein
Product Gene Name	CD7 recombinant protein
Product Synonym Names	GP40; TP41; Tp40; LEU-9;CD7
Sequence	AQEVQQSPHC TTVPVGASVN ITCSTSGGLR GIYLRQLGPQ PQDIIYYEDG VVPTTDRRFR GRIDFSGSQD NLTITMHRLQ LSDTGTYTCQ AITEVNVYGS GTLVLVTEEQ SQGWHRCSDA PPRASALPAP PTGSALPDPQ TASALPDPPA ASALP
Host	HEK293 cells
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH7.4.
Preparation and Storage	Store at -20 degree C. Store the lyophilized protein at -20 degree C to -80 degree C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.
OMIM	186820
3D Structure	ModBase 3D Structure for P09564
Species	Human
Tag	C-His
Endotoxin	<0.001 EU/ug
Bio-Activity	Measured by its binding ability in a functional ELISA. Immobilized Human CD7 Protein at 2ug/mL (100 uL/well) can bind human SECTM1 with a linear range of 0.098-1.3ng/mL.
Product Categories/Family for CD7 recombinant protein	Bio-Markers & CD Antigens; Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CD7 recombinant protein	CD7, also known as Leu-9, is an approximately 40 kDa glycosylated and palmitoylated transmembrane protein in the immunoglobulin superfamily.CD7 is expressed on T cells, NK cells, myeloid progenitor cells, and CD19+ B progenitor cells. Among CD8+ T cells, the CD7-bright population preferentially contains naive and memory cells, while more weak expressors are primarily effector cells.
Other Notes	Small volumes of CD7 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.
Searchable Terms for CD7 purchase	MBS9149137 is a recombinant protein targeting CD7. Also known as Recombinant Human CD7 Protein. Host: HEK293 cells.



SDS-PAGE of CD7 recombinant protein
Recombinant Human CD7 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 25-35 kDa.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD7. It may not necessarily be applicable to this product.

NCBI GI #	5453613
NCBI GeneID	924
NCBI Accession #	NP_006128.1
UniProt Primary Accession #	P09564
UniProt Related Accession #	P09564
GenBank Nucleotide #	NM_006137.6
UniProt Protein Name	T-cell antigen CD7
UniProt Synonym Protein Names	GP40; T-cell leukemia antigen; T-cell surface antigen Leu-9; TP41; CD_antigen: CD7
Protein Family	T-cell antigen
UniProt Gene Name	CD7
UniProt Entry Name	CD7_HUMAN
UniProt Comments for CD7	CD7: Not yet known. Protein type: Membrane protein, integral; Immunoglobulin superfamily Chromosomal Location of Human Ortholog: 17q25.2-q25.3 Cellular Component: membrane; plasma membrane; integral to membrane Molecular Function: receptor activity Biological Process: T cell activation; homeostasis of number of cells within a tissue; immune response; transmembrane receptor protein tyrosine kinase signaling pathway
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