

CD38 recombinant protein

Human CD38 Recombinant

CATALOG #	HOST
AAA76085	HEK293 Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)

PRODUCT SYNONYMS

CD38; Human CD38 Recombinant; cd38; cd-38; CD38 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant CD38 is supplied as a 0.2 um filtered PBS solution, pH7.2.
Sequence Length	300
Domain	ADP ribosyl cyclase
Host Note	Optimized DNA sequence encoding Human extracellular domain of human CD38 including a C-terminal 6His tag was expressed in HEK293 cells.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Molecular Weight Note	Recombinant CD38 is a monomer protein consisting of 269 amino acid residue subunits, due to glycosylation migrates as an approximately 45 kDa protein on SDS-PAGE.
Preparation and Storage	Recombinant CD38, as supplied, can be stored in working aliquots at 2 degree - 8 degree C for one month, or at -20 degree C to -70 degree C for twelve months. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for CD38 recombinant protein	Human CD38 is a broadly expressed type II transmembrane glycoprotein of ~45 kDa in its monomeric form. This consists of a short intracytoplasmic (IC) tail, a transmembrane domain and a major extracellular domain (ECD) formed by 256 of the 300 constituent amino acids of the CD38 polypeptide. The CD38 ECD, where both receptor and enzymatic activities reside, harbours a 12 cysteine/6 disulfide signature common to the members of this family.
Product Categories/Family for CD38 recombinant protein	Receptors CD
References	• the ac133+CD38⁺, but not the rhodamine-low, phenotype tracks ltc-ic and src function in human cord blood ex vivo expansion cultures .Blood, Jan 2010; 115: 257 - 260. • CD38-mediated ca2+ signaling contributes to angiotensin ii-induced activation of hepatic stellate cells: attenuation of hepatic fibrosis by CD38 ablation .J. Biol. Chem., Jan 2010; 285: 576 - 582. • CD38 induces homing of chronic lymphocytic leukemia cells to the lymphoid organs through a functional interplay with cxcr4 .Blood (ASH Annual Meeting Abstracts), Nov 2009; 114: 2328. • CD38 expression on cd34+ cells as a single flow cytometric parameter to distinguish myelodysplastic syndromes (mds) from non-clonal cytopenias .Blood (ASH Annual Meeting Abstracts), Nov 2009; 114: 2783. • CD38 cd49d are physically and functionally associated in b-cell chronic lymphocytic leukemia cells .Blood (ASH Annual Meeting Abstracts), Nov 2009; 114: 357.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38454326
NCBI GeneID	952
NCBI Accession #	NP_001766.2
NCBI GenBank Nucleotide #	NM_001775.2
UniProt Accession #	P28907; O00121; O00122; Q96HY4; Q4FCX6
Molecular Weight	34,328 Da
NCBI Official Full Name	ADP-ribosyl cyclase 1
UniProt Protein Name	ADP-ribosyl cyclase 1
UniProt Gene Name	CD38
UniProt Synonym Gene Names	cADPr hydrolase 1
UniProt Entry Name	CD38_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/cd38-recombinant-protein-hek293/76085>