

Recombinant Human CD38

Cat. No. CD38-27749TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CD38 with a N terminal proprietary tag: predicted molecular weight 59.11 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	300 amino acids
Description	CD38 is a novel multifunctional ectoenzyme widely expressed in cells and tissues especially in leukocytes. CD38 also functions in cell adhesion, signal transduction and calcium signaling.
Molecular Weight	59.110kDa inclusive of tags
Tissue specificity	Expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids

MANCEFSPVSGDKPCCRLSRRAQLCLGVSILVLILVVVLA VVPRWRQQWSPGTT
 KRFPETVLARCVKYTEIHPEMRHV DCQSVWDAFKGAFISKHPCNITEEDYQPLMKL
 GTQTVPCN KILLWSRIKDLAHQFTQVQRDMFTLEDTLLGYLADDLTWC GEFNTSKI
 NYQSCPDRWKDCSNNPVSVFWKTVSRRFAEAA CDVVHAMLNGSRSKIFDKNSTF
 GSVEVHNLQPEKVQTLEA WVIHGGREDSRDLCQDPTIKELESII SKRNIQFSCKNIYR
 PDKFLQCCKNPEDSSCTSEI

Sequence Similarities

Belongs to the ADP-ribosyl cyclase family.

GENE INFORMATION

Gene Name [CD38 CD38 molecule \[Homo sapiens \]](#)

Official Symbol [CD38](#)

Synonyms CD38; CD38 molecule; CD38 antigen (p45); ADP-ribosyl cyclase 1; ADP ribosyl cyclase 1; NAD(+) nucleosidase;

Gene ID [952](#)

mRNA Refseq [NM_001775](#)

Protein Refseq [NP_001766](#)

MIM [107270](#)

Uniprot ID [P28907](#)

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Chromosome Location	4p15.32
Pathway	Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	NAD ⁺ nucleosidase activity; hydrolase activity, acting on glycosyl bonds; nucleotide binding; phosphorus-oxygen lyase activity; receptor activity;

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