

Recombinant Full Length Human CD38 Protein, GST-tagged

Cat. No. CD38-3170HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CD38 full-length ORF (AAH07964, 1 a.a. - 300 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	300 amino acids
Description	<p>The protein encoded by this gene is a non-lineage-restricted, type II transmembrane glycoprotein that synthesizes and hydrolyzes cyclic adenosine 5'-diphosphate-ribose, an intracellular calcium ion mobilizing messenger. The release of soluble protein and the ability of membrane-bound protein to become internalized indicate both extracellular and intracellular functions for the protein. This protein has an N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites. Crystal structure analysis demonstrates that the functional molecule is a dimer, with the central portion containing the catalytic site. It is used as a prognostic marker for patients with chronic lymphocytic leukemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]</p>
Molecular Mass	58.52 kDa
AA Sequence	MANCEFSPVSGDKPCCRLSRRAQLCLGVSILVLILVVVLAVVVPRWRQQWSGPGTT KRFPETVLARCVKYTEIHPEMRHVDCQSVWDAFKGAFISKHPCNITEEDYQPLMKLG

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TQTVPCNKILLWSRIKDLAQFTQVQRDMFTLEDTLGLYADDLTCWGEFNTSKINY
 QSCPDWRKDCSNNPVSFWKTVSRRFAEAACDVVHAMLNGSRSKIFDKNSTFGSV
 EVHNLQPEKVQTLAWVIHGGREDSRDLCQDPTIKELESIIISKRNQFSCKNYRPDK
 FLQCVKNPEDSSCTSEI

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; cADPr hydrolase 1; cyclic ADP-ribose hydrolase 1; ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase; T10;

Gene ID 952

mRNA Refseq NM_001775

Protein Refseq NP_001766

MIM 107270

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UniProt ID

P28907

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