

Recombinant Human CD38 Protein, GST-Tagged

Cat. No. CD38-0797H **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	Wheat Germ
Description	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]
Molecular Mass	58.52 kDa
AA Sequence	MANCEFSPVSGDKPCCRLSRRAQLCLGVSILVLILVVVLAVVVPRWRQQWSGPGTT KRFPETVLARCVKYTEIHPEMRHVDCQSVWDAFKGAFISKHPCNITEEDYQPLMKLG TQTVPCNKILLWSRIKDLAHQFTQVQRDMFTLEDTLGLYADDLTWCGEFNTSKINY

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QSCPDWRKDCSNNPVSVFWKTVSRRFAEAACDVVHAMLNGSRSKIFDKNSTFGSV
EVHNLQPEKVQTLAWVIHGGREDSRDLCQDPTIKELESIIISKRNIIQFSCCKNIYRPDK
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

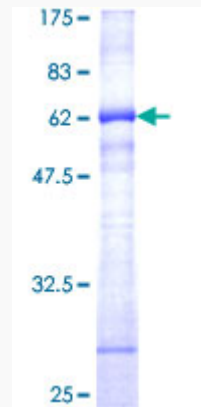
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UniProt ID

P28907

**Quality Control
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

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