

Recombinant Human CD38 Protein, His-tagged

Cat. No. CD38-155H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant human CD38 protein with His tag was expressed in HEK293. |
| Species | Human |
| Source | HEK293 |
| ProteinLength | 300 |
| 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.</p> |
| Form | Lyophilized |
| Molecular Mass | 30.7 kDa |
| AA Sequence | MANCEFSPVSGDKPCCRLSRRAQLCLGVSILVLILVVVLAVVVPRWRQQWSPGTT KRFPETVLARCVKYTEIHPEMRHVDCQSVWDAFKGAFISKHPCNITEEDYQPLMKLG |

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TQTVPCNKILLWSRIKDLAHQFTQVQRDMFTLEDTLGLYLAADDLTWCGEFNTSKINY
 QSCPDWRKDCSNNPVSFVWKTVSRRFAEAACDVVHVMLNGSRSKIFDKNSTFGSV
 EVHNLQPEKVQTTLEAWVIHGGREDSRDLCQDPTIKELESIIISKRNQFSCKNIYRPDK
 FLQCVKNPEDSSCTSEI

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name CD38 CD38 molecule [Homo sapiens (human)]

Official Symbol CD38

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

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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

UniProt ID P28907

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