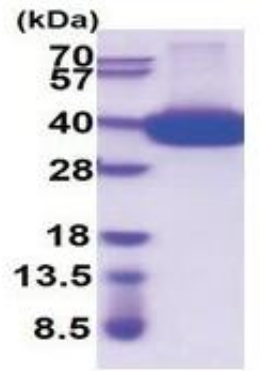


# Recombinant Human CD38 Protein, His-tagged

## Product Information

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<b>Cat</b>	IMP-7434
<b>Official Symbol</b>	CD38
<b>Product Overview</b>	Recombinant Human CD38 (43-300) protein was fused with a His tag at C-terminal.
<b>Description</b>	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]
<b>Species</b>	Human
<b>Tag</b>	His
<b>Form</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 50 mM MES (pH 5.0) containing 100mM NaCl, 10% glycerol.
<b>Molecular Mass</b>	31.2 kDa
<b>AA Sequence</b>	ADPEFVPRWRQQWSGPGTTKRFPETVLARCVKYTEIHPEMRHVDCQSV WDAFKGAFISKHPCNITEEDYQPLMKLGTQTVPCNKILLWSRIKDLAHQFT QVQRDMFTLEDLLGYLADDLTWCGEFNTSKINYQSCPDRKDCSNNP VSVFWKTVSRRFAEAACDVVHVMLNGSRSKIFDKNSTFGSVEVHNLQPE KVQTLEAWVIHGGREDSRDLCQDPTIKELESIISKRNIFSCCKNIYRPDKFL QCVKNPEDSSCTSEIHSHHHHH
<b>Endotoxin</b>	< 1.0 EU/μg protein as determined by the LAL method
<b>Purity</b>	> 90% by SDS-PAGE.
<b>Storage</b>	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>Concentration</b>	lot specific
<b>SDS-PAGE</b>	



15% SDS-PAGE (3ug)