



Catalog Number: PR27295

Product Type: Recombinant Protein

Source: Sf9, Baculovirus Cells

Amino Acid Sequence: ADPEEVPRWR QQWSGPGTTK RFPETVLARC VKYTEIHPEM RHVDCQSVWD AFKGAFISKH PCNITEEDYQ PLMKLGTQTV PCNKILLWSR IKDLAQFTQ VQRDMFTLED TLLGYLADDL TWCGEFNTSK INYQSCP DWR KDCSNPVSF FWKTVSRRFA EAACDVVHVM LNGSRKIFD KNSTFGSVEV HNLQPEKVQT LEAWVIHGGR EDSRDLCQDP TIKELESIS KRNIQFSCKN IYRPDKFLQC VKNPEDSSCT SEIHHHHHHH.

Description/Molecular Mass: CD38 is a surface molecule which acts as a plasma membrane signaling receptor in leukocytes. Furthermore, CD38 functions as signaling channel which leads to cellular activation and proliferation. CD38 also plays a role as an ectoenzyme with various functions as well as an inducer of Ca²⁺ mobilization from cytoplasmic stores. CD38 signals acts as a coreceptor on B cells and modulates B cell receptor.

CD38 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 269 amino acids (43-300 a.a.) and having a molecular mass of 31.2kDa (Migrates at 28-40kDa on SDS-PAGE under reducing conditions).

CD38 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Purity: Greater than 90.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: CD38 protein solution (1mg/ml) contains 100mM NaCl and 10% glycerol.

Storage: Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

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