

CD38, 43-300aa, Human, His tag, Baculovirus

Cat.NO.: TP01508

3th Edition

Synonyms:ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1, CD38, ADPRC 1, ADPRC1

Description:CD38, also known as ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1, is a surface molecule which has been attributed the function of a signaling channel leading to cellular activation and proliferation, an ectoenzyme with multiple function as well as an inducer of Ca²⁺ mobilization from cytoplasmic stores. It also functions as a plasma membrane signaling receptor in leukocytes. On B cells, It acts as a coreceptor and modulates B cell receptor (BCR) signals. Recombinant human CD38, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In 50mM MES (pH 5.0) containing 100mM NaCl, 10% glycerol.

Molecular Weight:31.2kDa (269aa), 28-40KDa (SDS-PAGE under reducing conditions.)

Sequences:

ADPEFVPRWRQQWSGPGTTKRFPETVLARCVKYTEIHPEMRHVDCQSVWDAFKGAFISKHPCNITEEDYQPLMKL
GTQTVPCNKILLWSRIKDLAQFTQVQRDMFTLEDTLGLYLADDLTWCGEFNTSKINYQSCPDWRKDCSNNPVSVF
WKTVSRRFAEAACDVVHVMLNGSRSKIFDKNSTFGSVEVHNLQPEKVQTLAWVIHGGREDSRDLCQDPTIKELE
SIISKRNIFQFSCKNIYRPDKFLQCVKNPEDSSCTSEIHSHHHHH

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.