

CD38 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P72732
Synonyms:	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1; ADPRC 1; T10; CD38
Species:	Mouse
Source:	HEK293
Accession:	P56528 (L45-T304)
Gene ID:	12494
Molecular Weight:	38-47 kDa

PROPERTIES

AA Sequence	<pre> LRPRSLLVWT GEPTTKHFS D IFLGRCL IYT QILRPEMRDQ NCQEILSTFK GAFVSKNPCN ITREDYAPLV KLVTQTIPC N KTLFWSKSKH LAHQYTWIQG KMFTLED TLL GYIADDLRWC GDPSTSDMNY VSCPHWSENC PNNPITVFWK VISQKFAEDA CGVVQVMLNG SLREPFYKNS TFGSVEV FSL DPNKVHKLQA WVMHDI EGAS SNACSSSSLN ELKMIVQKR N MIFACVDNYR PARFLQCVKN PEHPSCR LNT </pre>
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	<p>The CD38 protein plays a crucial role in synthesizing two important second messengers: cyclic ADP-ribose (cADPR) and nicotinate-adenine dinucleotide phosphate (NAADP). cADPR acts as a second messenger involved in glucose-induced insulin secretion, while NAADP serves as a calcium mobilizer. Additionally, CD38 exhibits cADPR hydrolase activity, further contributing to its functional versatility.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA