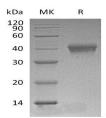
Recombinant Mouse CD38 Protein (His Tag)

Catalog Number: PKSM041365



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Synonyms	cADPr hydrolase 1;CD38 antigen (p45);CD38 antigen;CD38 molecule;CD38;Cyclic ADP-ribose hydrolase 1;Cyclic ADP-ribose Hydrolase;EC 3.2.2.5;NAD(+) nucleosidase;T10;;ADPRC 1-rs1;ADPRC1;Cd38;Cd38-rs1;I-19
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Leu45-Thr304
Accession	P56528
Calculated Molecular Weight	30.6 kDa
Observed molecular weight	38-47 kDa
Tag	C-His
Properties	
Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at $< -20^{\circ}$ C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at $< -20^{\circ}$ C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Reconstitution	Not Applicable
Data	



> 95 % as determined by reducing SDS-PAGE.

Background

CD38, also known as ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1, is a Signal-anchor for type II membrane protein. CD38 is able to transform NAD+ to ADP-D-ribose and nicotinamide. It also can transform NADP+ to nicotinate-adenine dinucleotide phosphate and nicotinamide. CD38 is expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma. Synthesizes the second messagers cyclic ADP-ribose and nicotinate-adenine dinucleotide phosphate, the former a second messager for glucose-induced insulin secretion. Also has cADPr hydrolase activity. Also moonlights as a receptor in cells of the immune system.

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