Recombinant Human CD38 Protein (His Tag)

Catalog Number: PKSH033780



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

Synonyms	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1;ADP-ribosyl cyclase 1;Cycli ADP-ribose hydrolase 1;CD38 antigen;CD38 molecule;CD38		
Species	Human		
Expression Host	HEK293 Cells		
Sequence	Val43-Ile300		
Accession	P28907		
Calculated Molecular Weight	30.7 kDa		
Observed molecular weight	38-50 kDa		
Tag	C-His		
Properties			
Purity	> 95 % as determined by reducing SDS-PAGE.		
Endotoxin	< 1.0 EU per μ g 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 PBS, pH7.4.		
Reconstitution	Not Applicable		
Data			

kDa	MK	R
120 90 60		
40		Name of
30	-	
20	-	
14	-	

> 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 messenger 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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