

Product datasheet

Recombinant Human CD38 protein ab174013

1 Image

Description

Product name	Recombinant Human CD38 protein
Purity	> 95 % SDS-PAGE.
Endotoxin level	< 1.000 Eu/μg
Expression system	HEK 293 cells
Accession	P28907
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	VPRWRQQWSGPGTTKRFETVLARCVKYTEIHPEMRHVD CQSVWDAFKGA FISKHPCNITEEDYQPLMKLGTQTVPCN KILLWSRIKDLAQFTQVQR DMFTLEDTLLGYLADDLTWCGEFNTSKINYQSCPDWRKD CSNNPVSFVWK TVSRRFAEAACDVVHVMLNGSRKIFDKNSTFGSVEVHN LQPEKVQTLA WVIHGGREDSRDLQDPTIKELESISKRNQFSCKNYRPD KFLQCVKN PEDSSCTSEI
Predicted molecular weight	31 kDa including tags
Amino acids	43 to 300
Tags	His tag C-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab174013** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Lyophilized

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at 4°C (stable for up to 12 months). Store at -20°C long term. Avoid freeze / thaw cycle.

pH: 7.4

Constituents: 0.58% Sodium chloride, 5% Trehalose, 0.98% MES

5-10% trehalose is commonly used for freeze drying, and after reconstitution, the trehalose is approximately 3-5%

Reconstitution

Reconstitute with sterile deionized water to a concentration of 200 µg/ml.

General Info

Function

Synthesizes cyclic ADP-ribose, a second messenger for glucose-induced insulin secretion. Also has cADPr hydrolase activity. Also moonlights as a receptor in cells of the immune system.

Tissue specificity

Expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma.

Sequence similarities

Belongs to the ADP-ribosyl cyclase family.

Developmental stage

Preferentially expressed at both early and late stages of the B and T-cell maturation. It is also detected on erythroid and myeloid progenitors in bone marrow, where the level of surface expression was shown to decrease during differentiation of blast-forming unit E to colony-forming unit E.

Cellular localization

Membrane.

Images



Reduced SDS-PAGE analysis of ab174013, stained overnight with Coomassie Blue.

DTT-reduced protein migrates as 30-45 kDa due to glycosylation.

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