

Recombinant Human CD63 protein (His tag)

Catalog Number:PDMH100107



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

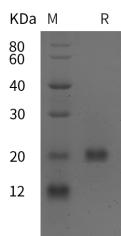
Description

Synonyms	CD63 antigen;Granulophysin;Lysosomal-associated membrane protein 3;LAMP-3;Melanoma-associated antigen ME491;OMA81H;Ocular melanoma-associated antigen;Tetraspanin-30;Tspan-30;CD antigen CD63
Species	Human
Expression Host	HEK293 Cells
Sequence	Ala 103-Val 203
Accession	P08962
Calculated Molecular Weight	11 kDa
Observed molecular weight	20 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. Cluster of differentiation 63 (CD63) is a member of the CD family and the transmembrane 4 superfamily, also known as the tetraspanin family. CD63 is a cellular surface glycoprotein characterized by the presence of four hydrophobic domains. CD63 has functions in mediating signal transduction processes and then regulate variety of cellular processes such as cell

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proliferation, activation and motility. It has been reported that CD63 protein is associated with tumor progression and serves as a blood platelet activation marker and the deficiency of this protein may be associated with Hermansky-Pudlak syndrome.

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