

Recombinant Human CD63 protein, His & GST-tagged

Cat. No. CD63-6837H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD63 aa. (Ala103~Val203 (Accession # P08962)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala103~Val203
Description	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. The encoded protein is a cell surface glycoprotein that is known to complex with integrins. It may function as a blood platelet activation marker. Deficiency of this protein is associated with Hermansky-Pudlak syndrome. Also this gene has been associated with tumor progression. Alternative splicing results in multiple transcript variants encoding different protein isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 43.9kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 6.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	CD63 CD63 molecule [Homo sapiens (human)]
Official Symbol	CD63
Synonyms	MLA1; ME491; LAMP-3; OMA81H; TSPAN30; CD63 antigen (melanoma 1 antigen); granulophysin; lysosomal-associated membrane protein 3; lysosome-associated membrane glycoprotein 3; melanoma-associated antigen ME491; melanoma-associated antigen MLA1; ocular melanoma-associated antigen; tetraspanin-30; tspan-30; CD63 antigen

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Gene ID	967
mRNA Refseq	NM_001257389.1
Protein Refseq	NP_001244318.1
UniProt ID	P08962
SDS-PAGE	