

Recombinant Human CD63 Protein, C-His-tagged

Cat. No. CD63-203H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD63 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	CD63 belongs to the tetraspanin family, which is characterized by four transmembrane domains, one short extracellular domain (ECL1), and one long extracellular domain (ECL2). Tetraspanins interact with a variety of cell surface proteins and intracellular signaling molecules in specialized tetraspanin enriched microdomains (TEMs) where they mediate a range of processes including adhesion, motility, membrane organization, and signal transduction. CD63, like other tetraspanins, is enriched in exosomes. It is also a component of Weibel-Palade bodies found in endothelial cells. Research studies demonstrate several functions of CD63 in different cell types including roles in mast cell degranulation, VEGF signaling in endothelial cells, recruitment of leukocytes to endothelial cells, and endosomal sorting during melanogenesis.
Molecular Mass	~11 kDa
AA Sequence	AGYVFRDKVMSEFNNNFRQQMENYPKNNHTASILDRMQADFKCCGAANYTDWEKI PSMSKNRVPDSCCINVTVGCGINFNEKAIHKEGCVEKIGGWLRKNV
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

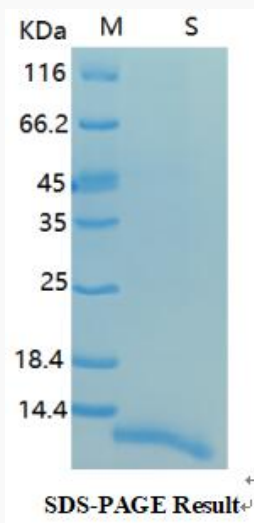
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4
GENE INFORMATION	
Gene Name	CD63 CD63 molecule [Homo sapiens (human)]
Official Symbol	CD63
Synonyms	CD63; CD63 molecule; CD63 antigen (melanoma 1 antigen) , MLA1; CD63 antigen; ME491; TSPAN30; tspar-30; granulophysin; tetraspanin-30; melanoma-associated antigen MLA1; CD63 antigen (melanoma 1 antigen); melanoma-associated antigen ME491; ocular melanoma-associated antigen; lysosomal-associated membrane protein 3; lysosome-associated membrane glycoprotein 3; MLA1; LAMP-3; OMA81H;
Gene ID	967
mRNA Refseq	NM_001257389
Protein Refseq	NP_001244318
MIM	155740
UniProt ID	P08962

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SDS-PAGE



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