

Recombinant Human CD63 Protein (103-203 aa), His-sumostar-tagged

Cat. No. CD63-2512H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD63 Protein (103-203 aa) is produced by Yeast expression system. This protein is fused with a 6xHis-sumostar tag at the N-terminal. Protein Description: Partial.
Species	Human
Source	Yeast
ProteinLength	103-203 aa
Description	Functions as cell surface receptor for TIMP1 and plays a role in the activation of cellular signaling cascades. Plays a role in the activation of ITGB1 and integrin signaling, leading to the activation of AKT, FAK/PTK2 and MAP kinases. Promotes cell survival, reorganization of the actin cytoskeleton, cell adhesion, spreading and migration, via its role in the activation of AKT and FAK/PTK2. Plays a role in VEGFA signaling via its role in regulating the internalization of KDR/VEGFR2. Plays a role in intracellular vesicular transport processes, and is required for normal trafficking of the PMEL luminal domain that is essential for the development and maturation of melanocytes. Plays a role in the adhesion of leukocytes onto endothelial cells via its role in the regulation of SELP trafficking. May play a role in mast cell degranulation in response to Ms4a2/FceRI stimulation, but not in mast cell degranulation in response to other stimuli.

 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

Form	Tris-based buffer,50% glycerol
Molecular Mass	27.5 kDa
AA Sequence	AGYVFRDKVMSEFNNNFRQQMENYPKNNHTASILDRMQADFKCCGAANYTDWEKI PSMSKNRVPDSCCINVTVGCGINFNEKAIHKEGCVKIGGWLRKNV
Purity	> 85% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

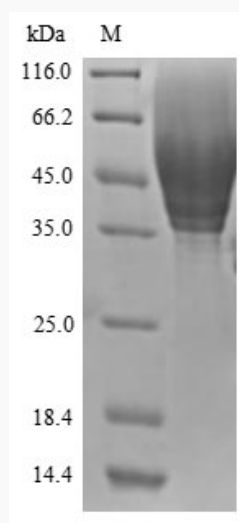
Gene Name	CD63 CD63 molecule [Homo sapiens]
Official Symbol	CD63
Synonyms	CD63; CD63 molecule; CD63 antigen; ME491; TSPAN30; tspan-30; granulophysin; tetraspanin-30; MLA1; LAMP-3; OMA81H;
Gene ID	967

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mRNA Refseq	NM_001257389
Protein Refseq	NP_001244318
MIM	155740
UniProt ID	P08962



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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