

Recombinant Mouse CD63 Protein (103-203 aa), GST-tagged

Cat. No. CD63-396M Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Mouse CD63 Protein (103-203 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Protein Description: Partial.

Species Mouse

Source E.coli

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/FcεRI stimulation, but not in mast cell degranulation in response to other stimuli.

Form Tris-based buffer, 50% glycerol

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Molecular Mass	38.5 kDa
AA Sequence	AGYVFRDQVKSEFNKSFQQMQNYLKDNKTATILDKLQKENNCCGASNYTDWENIP GMAKDRVPDSCCINITVGCGNDFKESTIHTQGCVETIAIWLRKNI
Purity	> 90% 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 with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name	Cd63 CD63 antigen [Mus musculus]
Official Symbol	CD63
Synonyms	CD63; CD63 antigen; melanoma 1 antigen; ME491; C75951; Tspan30; MGC103180; MGC107286;
Gene ID	12512
mRNA Refseq	NM_001042580
Protein Refseq	NP_001036045

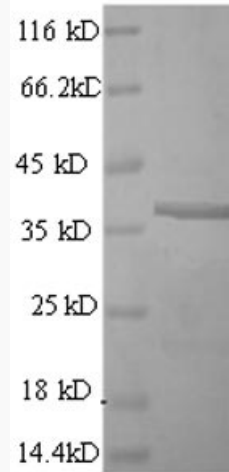
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UniProt ID

P41731



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

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