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

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

## SPECIFICATION

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| **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/FceRI stimulation, but not in mast cell degranulation in response to other stimuli. |
| **Form** | Tris-based buffer, 50% glycerol |

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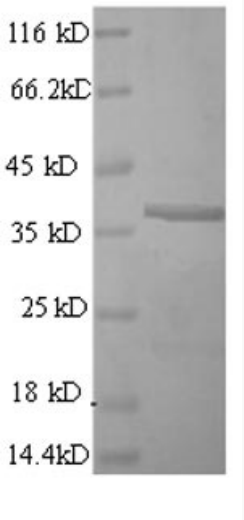
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| **Molecular Mass** | 38.5 kDa |
| **AA Sequence** | AGYVFRDQVKSEFNKSFQQQMQNYLKDNKTATILDKLQKENNCCGASNYTDWENIP GMAKDRVPDSCCINITVGCGNDFKESTIHTQGCVETIAIWLRKNI |
| **Purity** | > 90% as determined by SDS-PAGE. |
| **Notes** | Repeated freezing and thawing 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

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| **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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