Recombinant Mouse Mstn protein(Asp268-Ser376), hFc-tagged

Cat. No. Mstn-490M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse MSTN (NP_034964.1) (Asp 268-Ser 376) was expressed in HEK293, fused with the Fc region of Human IgG1 at the N-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Asp268-Ser376
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant mouse MSTN/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 369 amino acids and has a predicted molecular mass of 40.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmMSTN/Fc monomer is approximately 45 kDa.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 92 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Mstn myostatin [Mus musculus]
Official Symbol	Mstn
Synonyms	MSTN; myostatin; growth/differentiation factor 8; GDF-8; compact; growth differentiation factor 8; Cmpt; Gdf8; MGC124261; MGC124262; MGC124263;
Gene ID	17700
mRNA Refseq	NM_010834
Protein Refseq	NP_034964

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