

Recombinant Mouse Dag1 Protein, His-tagged

Cat. No. Dag1-689M **Lot. No.** (See product label)

SPECIFICATION

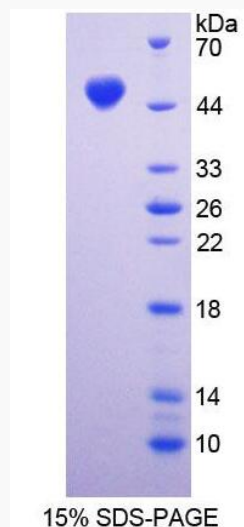
Product Overview	Recombinant Mouse Dag1(His28~Pro406) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	His28~Pro406
Description	This gene encodes dystroglycan, a central component of dystrophin-glycoprotein complex that links the extracellular matrix and the cytoskeleton in the skeletal muscle. The encoded preproprotein undergoes O- and N-glycosylation, and proteolytic processing to generate alpha and beta subunits. A complete lack of the encoded protein in mice results in embryonic lethality due to the disorganization of Reichert's membrane. Chimeric mice deficient in the encoded protein overcome embryonic lethality but develop a progressive muscular dystrophy. Alternative splicing results in multiple transcript variants, all encoding the same protein.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	44.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others
GENE INFORMATION	
Gene Name	Dag1 dystroglycan 1 [<i>Mus musculus</i>]
Official Symbol	Dag1
Synonyms	DAG1; dystroglycan 1; dystroglycan; beta-dystroglycan; alpha-dystroglycan; dystrophin associated glycoprotein 1; dystrophin-associated glycoprotein 1; DG; Dp71; Dp427; D9Wsu13e;
Gene ID	13138
mRNA Refseq	NM_010017
Protein Refseq	NP_034147



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