Recombinant Human DMD Protein, His-tagged

Cat. No. DMD-1352H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DMD Protein (Ile253-Lys597) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ile253-Lys597
Description	This gene spans a genomic range of greater than 2 Mb and encodes a large protein containing an N-terminal actin-binding domain and multiple spectrin repeats. The encoded protein forms a component of the dystrophin-glycoprotein complex (DGC), which bridges the inner cytoskeleton and the extracellular matrix. Deletions, duplications, and point mutations at this gene locus may cause Duchenne muscular dystrophy (DMD), Becker muscular dystrophy (BMD), or cardiomyopathy. Alternative promoter usage and alternative splicing result in numerous distinct transcript variants and protein isoforms for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.9 kDa Accurate Molecular Mass: 45 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	DMD dystrophin [Homo sapiens (human)]
Official Symbol	DMD
Synonyms	DMD; dystrophin; dystrophin (muscular dystrophy, Duchenne and Becker types), includes DXS142, DXS164, DXS206, DXS230, DXS239, DXS268, DXS269, DXS270, DXS272; BMD; DXS142; DXS164; DXS206; DXS230; DXS239; DXS268; DXS269; DXS270; DXS272; muscular dystrophy; Duchenne and Becker types; CMD3B;
Gene ID	1756
mRNA Refseq	NM_000109
Protein Refseq	NP_000100

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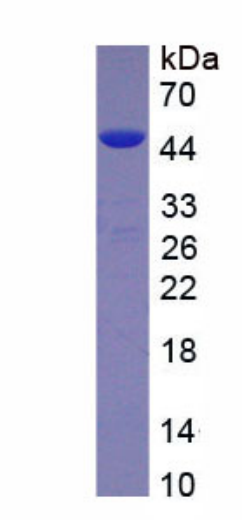
MIM	300377
UniProt ID	P11532



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