Recombinant Human DMD Protein, His-tagged

Cat. No. DMD-37H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein from the full-length sequence of Homo sapiens dystrophin (DMD), transcript variant Dp71ab (NM_004018), with a His tag was expressed in human cells.
Species	Human
Source	Human Cells
ProteinLength	1-622 aa
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.
Molecular Mass	70.6 kDa
Endotoxin	< 0.1 ng/ μg of protein (< 1 EU/ μg)
Purity	> 90% by SDS-PAGE gel and Coomassie Blue staining

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Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies; For research & development use only!
Storage Buffer	Purified protein formulated in a sterile solution of PBS buffer, pH7.2, without any preservatives

GENE INFORMATION

Gene Name	DMD dystrophin [Homo sapiens (human)]
Official Symbol	DMD dystrophin [Homo sapiens (human)]
Synonyms	DMD; dystrophin; BMD; CMD3B; MRX85; DXS142; DXS164; DXS206; DXS230; DXS239; DXS268; DXS269; DXS270; DXS272; dystrophin; mutant dystrophin; truncated dystrophin
Gene ID	1756
mRNA Refseq	NM_004018
Protein Refseq	NP_004009
MIM	300377
UniProt ID	P11532

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