

Recombinant Full Length Human DMD Protein, GST-tagged

Cat. No. DMD-4017HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human DMD full-length ORF (AAH28720.1, 1 a.a. - 635 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	635 amino acids
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. [provided by RefSeq, Dec 2016]
Molecular Mass	95.37 kDa
AA Sequence	MREQLKGHETQTTCWDHPKMTELYQSLADLNNVRFSA YRTAMKLRRLQKALCLDLL SLSAACDALDQHNLKQNDQPM DILQIINCLTTIYDRLEQEHN NLVNVPLCVD MCLNWL LLNVYDTGRTRIRVLSFKTGIISLCKAHLEDKYRYL FKQVASSTGFCDQRRLG LLLLH DSIQIPRQLGEVASFGGSNIEPSVRSCFQFANNKPEIEAALFLDWMRLEPQSMVWLP VLHRVAAAETA KHQAKCNICKECPIIGFRYRSLKHFNYDICQSCFFSGR VAKGHKMH

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YPMVEYCTPTTSGEDVRDFAKVLKNKFRTRKRYFAKHPRMGYLPVQTVLEGDNMET
 PVTLINFWPVDSAPASSPQLSHDDTHSRIEHYASRLAEMENSNGSYLNDISIPNESID
 DEHLLIQHYCQSLNQDSPLSQPRSPAQILISLESEERGERILADLEEEENRNLQAEY
 DRLKQQHEHKGLSPLPSPPEMMPTSPQSPRDAELIAEAKLLRQHKGRLEARMQILE
 DHNKQLESQHLRLRQLLEQPQAEAKVNGTTVSSPSTLQRS DSSQPMLLRVVG SQ
 TSDSMGEEDLLSPPQDTSTGLEEVMEQLNNSFPSSRGHNVGSLFHMADDLGRAME
 SLVSVMTDEEGAE

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DMD dystrophin [Homo sapiens]
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

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mRNA Refseq	NM_000109
Protein Refseq	NP_000100
MIM	300377
UniProt ID	P11532

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