

Product datasheet for **TP315529M**

Dystrophin (DMD) (NM_004018) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human dystrophin (DMD), transcript variant Dp71 ab, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC215529 representing NM_004018

Red=Cloning site **Green**=Tags(s)

MREQLKGHETQTTTCWDHPKMTELYQSLADLNNVRFSAVRTAMKLRRLQKALCLDLLLSAACDALDQHNL
KQNDQPMQDILQIINCLTTIYDRLEQEHNNLVNPLCVDMLNWLNNVYDTGRTGRIRVLSFKTGIISLCK
AHLEDKYRYLFKQVASSTGFCDQRRLLGLLHDSIQIPRQLGEVASFGGSNIEPSVRSFCFQFANNKPEIEA
ALFLDWMRLEPQSMVWLPVLRVAAAETAKHQAKCNICKECPIIGFRYRSLKHFNYDICQSCFFSGRVAK
GHKMHYPMVEYCTPTTSGEDVDFAKVLKKNKFRTRKRYFAKHPRMGYLPVQTVLEGDNMETPASSPQLSHD
DTHSRIEHYASRLAEMENSNGSYLNDISPNEIDDEHLLIQHYCQSLNQDSPLSQPRSPAQILISLESE
ERGELERILADLEENRNLQAEYDRLKQHEHKGLSPLSPPEMPTSPQSPRDAELIAEAKLLRQHKGR
LEARMQILEDHMKQLESQHLRLRQLLEQPQAEAKVNGTTVSSPSTSLQRSRSSQPMLLRVWGSQTSDSMG
EEDLLSPPQDTSTGLEEVMEQLNNSFPSSRGHNVGSFLHMADDLGRAMESLVSVMTDEEGAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 70.6 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

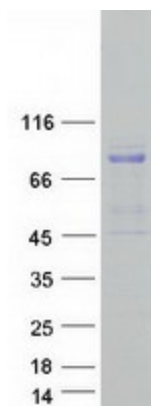
Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004009
Locus ID:	1756
UniProt ID:	P11532
RefSeq Size:	4552
Cytogenetics:	Xp21.2-p21.1
RefSeq ORF:	1866
Synonyms:	BMD; CMD3B; DXS142; DXS164; DXS206; DXS230; DXS239; DXS268; DXS269; DXS270; DXS272; MRX85
Summary:	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]
Protein Pathways:	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), Viral myocarditis

Product images:



Coomassie blue staining of purified DMD protein (Cat# [TP315529]). The protein was produced from HEK293T cells transfected with DMD cDNA clone (Cat# [RC215529]) using MegaTran 2.0 (Cat# [TT210002]).