

## Product datasheet for TP313926M

### Dystrophin (DMD) (NM\_004021) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dystrophin (DMD), transcript variant Dp140b, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213926 representing NM_004021 Red=Cloning site Green=Tags(s)

MPSSLMLEVPALADFNRAWTELTDWLSLLDQVIKSQRVMVGDLEDINEMIIKQKATMQDLEQRRPQLEEL  
ITAAQNLKNKTSNQEARTIITDRIERIQNQWDEVQEHLQNRQQQLNEMLKDSTQWLEAKEEAEQVLGQAR  
AKLESWKEGPYTVDAIQKKITETKQLAKDLRQWQTNVDVANDLALKLLRDYSADDTRKVVHMITENINASW  
RSIHKRVSEREALEETHRLLQQFPLDLEKFLAWLTAETTANVLQDATRKERLLEDKGVKELMKQWQD  
LQGEIEAHTDVYHNLNLDENSQKILRSLEGSDDAVLLQRRLDNMNFKWSELRKKSLNIRSHLEASSDQWKRL  
HLSLQELLVWLQLKDDLSRQAPIGGDFPAVQKQNDVHRAFKRELKTKPEVIMSTLETVRIFLTEQPLEG  
LEKLYQEPRELPEERAQNVTRLLRKQAEVNTWEKLNLSADWQRKIDETLERLQELQEATDELKDLK  
RQAEVIKGSWQPVGDLLIDSLQDHLEKVKALRGEIAPLKENVSHVNDLARQLTTLGIQLSPYNLSTLEDL  
NTRWKLQVAVEDRVRQLHEAHRDFGPASQHFSTSVQGPWERAISPKNVPPYINHETQTTCCWDHPKMT  
LYQSLADLNNVRFSAVRTAMKLRRLQKALCLDLLLSAACDALDQHNLKQNDQPMIDILQIINCLTTIYDR  
LEQEHNNLVNPLCVDMCLNWLNNVYDTGRTGRIRVLSFKTGIIISLCKAHLEDKYRYLQKQVASTGFCD  
QRRLLGLLLHDSIQIPRQLGEVASFGGSNIPEVSRSCFQFANNKPEIEAALFLDWMRLEPQSMVWLPVLHR  
VAAAETAKHQAKCNICKECPIIGFRYRSLKHFNYDICQSCFFSGRVAKGHKMHYPMVEYCTPTTSGEDVR  
DFAKVLKNKFRTRKRYFAKHPRMGYLPVQTVLEGDNMETPVTLINFWPVSAPASSPQLSHDDTHSRIEHY  
ASRLAEMENSGSYLNDSPNESIDDEHLLIQHYCQSLNQDSPLSQPRSPAQILISLESEERGERLIL  
ADLEENRNLAQAEYDRLKQQHEHKGLSPLSPPEMPTSPQSPRDAELIAEAKLLRQHKGRLEARMQILE  
DHNKQLESQHLRLRQLLEQPQAEAKVNGTTVSSPSTSLQRSDDSSQPMLLRVVGSQTSDSMGEEDLLSPPQ  
DTSTGLEEVMEQLNNSFPSSRGHNVGSLFHMADDLGRAMESLVSVMTDEEGAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

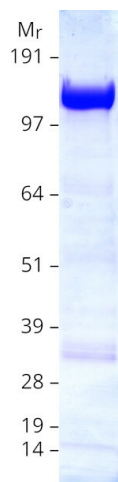
Tag:	C-Myc/DDK
Predicted MW:	143 kDa
Concentration:	>0.1 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_004012</a>
<b>Locus ID:</b>	1756
<b>UniProt ID:</b>	<a href="#">P11532</a> , <a href="#">A7E212</a>
<b>RefSeq Size:</b>	7378
<b>Cytogenetics:</b>	Xp21.2-p21.1
<b>RefSeq ORF:</b>	3729
<b>Synonyms:</b>	BMD; CMD3B; DXS142; DXS164; DXS206; DXS230; DXS239; DXS268; DXS269; DXS270; DXS272; MRX85
<b>Summary:</b>	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]
<b>Protein Pathways:</b>	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), Viral myocarditis

## Product images:



Coomassie blue staining of purified DMD protein (Cat# [TP313926]). The protein was produced from HEK293T cells transfected with DMD cDNA clone (Cat# [RC213926]) using MegaTran 2.0 (Cat# [TT210002]).