

Product datasheet for TP313926

Dystrophin (DMD) (NM_004021) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dystrophin (DMD), transcript variant Dp140b, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213926 representing NM_004021 Red=Cloning site Green=Tags(s)

MPSSLMLEVPALADFNRAWTELTDWLSLLDQVIKSQRVMVGDLEDINEMIIKQKATMQDLEQRRPQLEE
L
ITAAQNLNKNTSNQEARTIITDRIERIQNQWDEVQEHLQNRRLQNLNEMLKDSTQWLEAKEEAEQVLGQA
R
AKLESWKEGPYTVDAIQKKITETKQLAKDLRQWQTNVDVANDLALKLLRDYSADDTRKVHMITENINASW
RSIHKRVSEREAAL EETHRLLQQFPLDLEKFLAWL TEAETTANVLQDATRKERLLED SKGVKELMKQWQD
LQGEIEAHTDVYHNLDENSQKILRSLEGSDDAVLLQRRLDNMNFKWSELRKSLNIRSHLEASSDQWKRL
HLSLQELLVWLQKDDLSRQAPIGGDFPAVQKQNDVHRAFKRELKTKPEVIMSTLETVRIFLTEQPLEG
LEKLYQEPRELPPERAQNVTRLLRKQAEVNTWEKLNLSADWQRKIDETLERLQELQEATDEL DLKL
RQAEVIKGSWQPVGDLLIDSLQDHLEKVKALRGEIAPLKENVSHVNDLARQLTTLGIQLSPYNLSTLEDL
NTRWKLLQVAVEDRVRQLHEAHRDFGPASQHFSTSVQGPWERAISPKNVPYYINHETQTTCDWHPKM
TE
LYQSLADLNNVRFSA YRTAMKLRRLQKALCLDLLSLSAACDALDQHNLKQNDQPM DILQIINCLTTIYDR
LEQEHNNLVNVPLCVD MCLNWLLNVYDTGRTGRIRVLSFKTGII SLCKAHL EDKYRYL FKQVASSTGFCD
QRRGLGLLHDSIQIPRQLGEVASFGGSNIEPSVRSCFQFANNKPEIEAALFLDWMRLEPQSMVWLPVLHR
VAAAETAKHQAKCNICKECPIIGFRYRSLKHFNYDICQSCFFSGRVAKGHKM HYPMVEYCTPTTSGEDVR
DFAKVLKKNKFR TKRYFAKHPRMGYLPVQTVLEGDNMETPVT LINFWPVD SAPASSPQLSHDDTHSRIEHY
ASRLAEMENSNGSYL NDSISPNESIDDEHLLIQHYCQSLNQDSPLSQPRSPAQILISLESEER GELERIL
ADLEENRNLQAEYDRLKQ QHEHKGLSPLSPPEMMPTSPQSPRDAELIAEAKLLRQHKGRLEARMQILE
DHNKQLESQ LHLRLQLLEQPQAEAKVNGTTVSSPSTSLQRS DSSQPMLLRVVG SQTSDSMGEEDLLSPP
Q
DTSTGLEEVMEQLNNSFPSSRGHNVGSLFHMADDLGRAMESLVSVM TDEEGAE

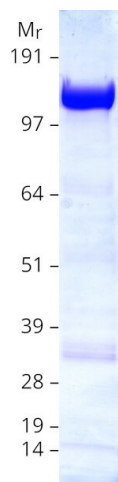
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK



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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
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.
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_004012
Locus ID:	1756
UniProt ID:	P11532
RefSeq Size:	7378
Cytogenetics:	Xp21.2-p21.1
RefSeq ORF:	3729
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# TP313926). The protein was produced from HEK293T cells transfected with DMD cDNA clone (Cat# [RC213926]) using MegaTran 2.0 (Cat# [TT210002]).