

Product datasheet for **TP319267M**

DOK7 (NM_173660) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human docking protein 7 (DOK7), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC219267 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MTEAALVEGQVKLRDGGKKWKSRLVLRKPSVADCLLMLVYKDKSERIKGLRERSLTLLEDICGLEPGLP
YEGLVHTLAIVCLSQAIMLGFDSHEAMCAWDARIRYALGEVHRFHVTVAPGTKLES GPATLHLCNDVLVL
ARDIPPAVTGQWKLSDLRRYGAVPSGFIFEGGTRCGYWAGVFFLSSAEGEQISFLFDCIVRGISPTKGPF
GLRPVLPDPSPPGPSTVEERVAQEALETQLQEKRLSLLSHAGRPGSGGDDRSLSSSSSEASHLDVSASSR
LTAWPEQSSSSASTSQEGPRPAAAQAAGEAMVGASRPPPKPLRPRQLQEVGRQSSSDSGIATGSHSSYSS
SLSSYAGSSLDVWRATDELGSLLSLPAAGAPEPSLCTCLPGTVEYQVPTSLRAHYDTPRSLCLAPRDHSP
PSQGSPGNSAARDSGGQTSAGCPSGWLGTTRRRGLVMEAPQDSEATLPGPAPGEPWEAGGPHAGPPPAFFS
ACPVCGLKVNPPP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	52.9 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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

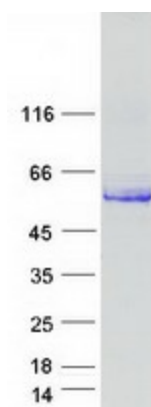


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RefSeq:	<u>NP_775931</u>
Locus ID:	285489
UniProt ID:	<u>Q18PE1</u>
RefSeq Size:	2583
Cytogenetics:	4p16.3
RefSeq ORF:	1512
Synonyms:	C4orf25; CMS1B; CMS10; FADS3

Summary: The protein encoded by this gene is essential for neuromuscular synaptogenesis. The protein functions in aneural activation of muscle-specific receptor kinase, which is required for postsynaptic differentiation, and in the subsequent clustering of the acetylcholine receptor in myotubes. This protein can also induce autophosphorylation of muscle-specific receptor kinase. Mutations in this gene are a cause of familial limb-girdle myasthenia autosomal recessive, which is also known as congenital myasthenic syndrome type 1B. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009]

Product images:



Coomassie blue staining of purified DOK7 protein (Cat# [TP319267]). The protein was produced from HEK293T cells transfected with DOK7 cDNA clone (Cat# [RC219267]) using MegaTran 2.0 (Cat# [TT210002]).