

Product datasheet for PH319267

DOK7 (NM_173660) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DOK7 MS Standard C13 and N15-labeled recombinant protein (NP_775931)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219267
Predicted MW:	53.2 kDa
Protein Sequence:	>RC219267 protein sequence Red=Cloning site Green=Tags(s)

MTEAALVEGQVKLRDGGKWKSRWLVLRKPSVADCLLMVYKDKSERIKGLRERSLTLIEDICGLEPGLP
YEGLVHTLAIIVCLSQAIMLGFDSEAMCAWDARIRYALGEVHRFHVTVAPGKLESGPATLHLCNDVLVL
ARDIIPPAVTGQWKLSDLRRYGAVPSGFIFEGGTRCGYWAGVFFLSSAEGEQISFLFDCIVRGISPTKGP
GLRPVLPDPSPPGPSTVEERVAQEALTLQLEKRLSLLSHAGRPGSGGDDRSLSSSSEASHLDVSASSR
LTAWPEQSSSASTSQEGPRPAAAQAAGEAMVGASRPPPKPLRPRQLQEVGRQSSSDSGIATGSHSSYSS
SLSSYAGSSLDVWRATDELGSLLSLPAAGAPEPSLCTCLPGTVEYQVPTSLRAHYDTPRSLCLAPRDHSP
PSQSGPNSAARDSGGQT SAGCPSGWLGTRRRGLVMEAPQDSEATLPGPAPGEPWEAGGPHAGPPPAFFS
ACPVCGGLKVNPPP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_775931
RefSeq Size:	2583
RefSeq ORF:	1512



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Synonyms: C4orf25; CMS1B; CMS10; FADS3

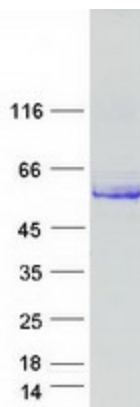
Locus ID: 285489

UniProt ID: [Q18PE1](#)

Cytogenetics: 4p16.3

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]).