Recombinant Full Length Human DOK7 Protein, GST-tagged

Cat. No. DOK7-3946HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DOK7 full-length ORF (BAC11367.1, 1 a.a. - 298 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	298 amino acids
Description	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]
Molecular Mass	57 kDa
AA Sequence	MVGASRPPPKPLRPRQLQEVGRQSSSDSGIATGSHSSYSSSLSSYAGSSLDVWRA TDELGSLLSLPAAGAPEPSLCTCLPGTVEYQVPTSLRAHYDTPRSLCLAPRDHSPPS QGSPGNSAARDSGGQTSAGCPSGWLGTRRRGLVMEAPQDSEATLPGPAPGEPW EAGGPHAGPPPAFFSACPVCGGLKGAAASAPGPATAHSGSPGPVAVDSPGPERPR GESPTYVNIPVSPSSRKQLHYMGLELQEASEGVRGAGASLYAQIDIMATETAHRVGV

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DOK7 docking protein 7 [Homo sapiens]
Official Symbol	DOK7
Synonyms	DOK7; docking protein 7; C4orf25, chromosome 4 open reading frame 25; protein Dok-7; Dok 7; FLJ33718; FLJ39137; downstream of tyrosine kinase 7; CMS1B; C4orf25; FLJ90556;
Gene ID	285489
mRNA Refseq	NM_001164673
Protein Refseq	NP_001158145
MIM	610285

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UniProt ID	Q18PE1

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