

Recombinant Human DOK7 Protein, GST-tagged

Cat. No. DOK7-2816H 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 Wheat Germ

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
QGSPGNSAARDSSGGQTSAGCPSGWLGTRRRGLVMEAPQDSEATLPGPAPGEPW
EAGGPHAGPPPAFFSACPVCGLKGAAASAPGPATAHSGSPGPVAVDSPGPERPR
GESPTYVNIPVSPSSRKQLHYMGLELQEASEGVRGAGASLYAQIDIMATETAHRVGV
RHARAREEQQLSELEQRKAAPQ

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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
UniProt ID	Q18PE1

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