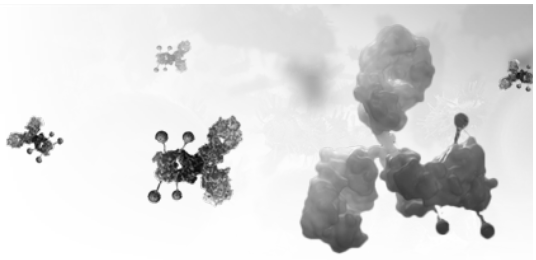

Human DOK7 peptide (DAG-P0430)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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]
Specificity	Preferentially expressed in skeletal muscle and heart Present in thigh muscle, diaphragm and heart but not in the liver or spleen (at protein level).
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Contains 1 IRS-type PTB domain.Contains 1 PH domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	DOK7 docking protein 7 [Homo sapiens (human)]
Official Symbol	DOK7
Synonyms	DOK7; docking protein 7; CMS1B; C4orf25; protein Dok-7; downstream of tyrosine kinase 7;

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Entrez Gene ID	285489
mRNA Refseq	NM_001164673.1
Protein Refseq	NP_001158145.1
UniProt ID	Q18PE1
Chromosome Location	4p16.3
Function	insulin receptor binding; phosphatidylinositol binding; protein kinase binding;

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