

Datasheet for ABIN7556993  
**DOK7 Protein (AA 1-504) (His tag)**



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## Overview

Quantity:	1 mg
Target:	DOK7
Protein Characteristics:	AA 1-504
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DOK7 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Dok7 Protein expressed in mammalien cells.
Sequence:	MTEAALVEGQ VKLRDGKKWK SRWLVLKPS PVADCLLMLV YKDKCERSKG LRERSSLTLE DICGLEPALP YEGLAHTLAI ICLSQAVMLG FDSHEAMCAW DTRIRYALGE VHRFHVTVP GTKLESGPAT LHLCNDILVL ARDIPPTVMG QWKLSDLRRY GAVPNGFIFE GGTRCGYWAG VFFLSSAEGE QMSFLFDCIV RGISPTKGPFL RLPVLPDPS SGGPSASEER VAQEALALQ LEKRLSLLSH SGRPGSGGDD RSLSSSSSEA SHSDISASSR LTAWPEQSSS SAGTSQEGPG LVAAQGPGEA MLGASRPPLK PLRPRQLQEV GRQSSSDSGI ATGSHSSYSF SFSSYAGSNL DVWRAGEEFG SLLSLPPGAS APEPRLCACP PGAAEQVPT SLRHHYDTPR SLRQAPRDPS PASQGSSDHG SATDLGGQAP TGCPSSWLGA RRRGQATEGP GSDAALPSPS PGESWEAGSP HAGPPPAFFL SCSICGGLKV KPPP <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>

## Product Details

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### Characteristics:

### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

## Target Details

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### Target:

DOK7

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### Alternative Name:

Dok7 ([DOK7 Products](#))

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### Background:

Protein Dok-7 (Downstream of tyrosine kinase 7),FUNCTION: Probable muscle-intrinsic activator of MUSK that plays an essential role in neuromuscular synaptogenesis. Acts in a neural activation of MUSK and subsequent acetylcholine receptor (AChR) clustering in myotubes. Induces autophosphorylation of MUSK. {ECO:0000269|PubMed:16794080, ECO:0000269|PubMed:20603078}.

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### Molecular Weight:

53.2 kDa

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### UniProt:

[Q18PE0](#)

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### Pathways:

[Skeletal Muscle Fiber Development](#)

## Application Details

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### Application Notes:

In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a

## Application Details

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guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months