

Datasheet for ABIN7563513  
**Six5 Protein (AA 1-719) (His tag)**



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## Overview

Quantity:	1 mg
Target:	Six5 (SIX5)
Protein Characteristics:	AA 1-719
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Six5 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Six5 Protein expressed in mammalian cells.
Sequence:	MATSPAEPSA GPAARGEAAA ATEEQEEEAR QLLQTLQAAE GEAAAAGAGD AAAAADSGSP SGPGSPRETV TEVPTGLRFS PEQVACVCEA LLQAGHAGRL SRFLGALPPA ERLRGSDPVL RARALVAFQR GEYAELYQLL ESRPFPAHH AFLQDLYLRA RYHEAERARG RALGAVDKYR LRKKFPLPKT IWDGEETVYC FKERSRAALK ACYRGNRYPT PDEKRRLATL TGLSLTQVSN WFKNRRQRDR TGTGGGAPCK SESDGNPTE DESSRPEDL ERGVASMAAE APAQSSIFLA GATSPATCPA SSSILVNGSF LAASSPPAVL LNGSPVIINS LALGENSSLG PLLLLTGGSAP QPQPSLQGVSEAKNSLVLDP QTGEVRLDEA QSEAPETKGV HGTTGEEIPG ALPQVVPGPP PASTFPLTPG AVPAVAAPQV VPLSPSSGYP TGLSPTSPRL NLPQVVPTSQ VVTLPQAVGP LQLLAAGPGS PVKVAAGAGP TNVHLINSSV GVTALQLPSS TAPGNFLLAN PVSGSPIVGT VAVQQGKIIL TATFPTSM LV SQVLPPAPSL ALPLKQEP AI TVPEGALPVG PSPTLPEGHT LGPSTQPLP PASVWTSGTS LPFSPDSSGL LSSFSAPLPE GLMLSPA AVP VWPAGLELST GVEGLGTQAT HTVLRLPPDP PQGLLLGATT GTEVDEGLEA EAKVLTQLQS VPVEEPLLEL

## Product Details

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**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.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

## Target Details

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Target: Six5 (SIX5)

Alternative Name: Six5 ([SIX5 Products](#))

Background: Homeobox protein SIX5 (DM locus-associated homeodomain protein homolog) (Sine oculis homeobox homolog 5),FUNCTION: Transcription factor that is thought to be involved in regulation of organogenesis. May be involved in determination and maintenance of retina formation. Binds a 5'-GGTGTCAG-3' motif present in the ARE regulatory element of ATP1A1. Binds a 5'-TCA[AG][AG]TTNC-3' motif present in the MEF3 element in the myogenin promoter, and in the IGFBP5 promoter (By similarity). Thought to be regulated by association with Dach and Eya proteins, and seems to be coactivated by EYA1, EYA2 and EYA3. {ECO:0000250, ECO:0000269|PubMed:10490620}.

## Target Details

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Molecular Weight: 73.7 kDa

UniProt: [P70178](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a 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