

Datasheet for ABIN7555570

Six5 Protein (AA 1-739) (His tag)



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Overview

Quantity:	1 mg
Target:	Six5 (SIX5)
Protein Characteristics:	AA 1-739
Origin:	Human
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:	<p>MATLPAEPSA GPAAGGEAVA AAAATEEEEE EARQLLQTLQ AAEGEAAAAA GAGAGAAAAG</p> <p>AEGPGSPGVP GSPPEAASEP PTGLRFSPEQ VACVCEALLQ AGHAGRLSRF LGALPPAERL</p> <p>RGSDPVLRR ALVAFQRGEY AELYRLLES RPFPAHHAF LQDLYLRARYH EAERARGRAL</p> <p>GAVDKYRLRK KFPLPKTIWD GEETVYCFKE RSRAALKACY RGNRYPTPDE KRRLATLTGL</p> <p>SLTQVSNWFK NRRQRDRTGA GGGAPCKSES DGNPTTEDES SRSPEDLERG AAPVSAEAAA</p> <p>QGSIFLAGTG PPAPCPASS ILVNGSFLAA SGSPAVLLNG GPVIINGLAL GEASSLGPLL</p> <p>LTGGGGAPPP QPSPQGASET KTSVLDPQT GEVRLEEAQS EAPETKGAQV AAPGPALGEE</p> <p>VLGPLAQVVP GPPTAATFPL PPGPVPAAAA PQVVPLSPPP GYPTGLSPTS PLLNLPQVVP</p> <p>TSQVVTLPQA VGPLQLLAAG PGSPVKVAAA AGPANVHLIN SGVGVTALQL PSATAPGNFL</p> <p>LANPVSGSPI VTGVALQQGK IILTATFPTS MLVSQVLPPA PGLALPLKPE TAISVPEGGL</p> <p>PVAPSPALPE AHALGTLSAQ QPPPAATTS STSLPFSPDS PGLLPNFPAP PPEGLMLSPA</p> <p>AVPVWSAGLE LSAGTEGLLE AEKGLGTQAP HTVLRLPDPD PEGLLL GATA GGEVDEGLEA</p>

Product Details

EAKVLTQLQS VPVEEPLLEL **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

Target: Six5 (SIX5)

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

Background: Homeobox protein SIX5 (DM locus-associated homeodomain protein) (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'-GGTGTCTAG-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 (By similarity). {ECO:0000250}.

Target Details

Molecular Weight: 74.6 kDa

UniProt: [Q8N196](#)

Application Details

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

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