

Datasheet for ABIN7552430
ASCL5 Protein (AA 1-278) (His tag)



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Overview

Quantity:	1 mg
Target:	ASCL5
Protein Characteristics:	AA 1-278
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ASCL5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ASCL5 Protein expressed in mammalian cells.
Sequence:	MPMGAAERGA GPQSSAAPWA GSEKAAKRGK SKSWYPRAAA SDVTCPTGGD GADPKPGPFG GGLALGPAPR GTMNNNFRCRA LVDRRPLGPP SCMQLGVMPP PRQAPLPPAE PLGNVPFLLY PGPAEPPYYD AYAGVFPYVP FPGAFGVVEY PFEPAFIQKR NERERQRVKC VNEGYPARLRG HLPGALAEKR LSKVETLRAA IRYIKYLQEL LSSAPDGSTP PASRGLPGTG PCPAPPATPR PDRPGDGEAR APSSLVPESS ESSCFSPSPF LESEESWH 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:

Product Details

- 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:	ASCL5
Alternative Name:	ASCL5 (ASCL5 Products)
Background:	Achaete-scute homolog 5 (ASH-5) (hASH5) (Class A basic helix-loop-helix protein 47) (bHLHa47),FUNCTION: Transcription factor. Probably binds E-box motifs 5'-CANNTG-3' in complex with transcription factor TCF3/E12. Negatively modulates transcription of target genes such as CDH1/E-cadherin, perhaps by recruiting the PRC2 repressive complex to regulatory elements. Regulates ameloblast development and tooth germ growth, perhaps acting by positively modulating migration of inner enamel epithelium (IEE) cells. Plays a role in enamel formation. {ECO:0000250 UniProtKB:MQQWB7}.
Molecular Weight:	29.5 kDa
UniProt:	Q7RTU5

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.
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Application Details

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