

Datasheet for ABIN7552802

## BHLHA15 Protein (AA 1-189) (His tag)



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### Overview

Quantity:	1 mg
Target:	BHLHA15
Protein Characteristics:	AA 1-189
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BHLHA15 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant BHLHA15 Protein expressed in mammalian cells.
Sequence:	<p>MKTKNRPPRR RAPVQDTEAT PGEGTPDGSL PNPGEPAKG LRSRPARAAA RAPGEGRRRR</p> <p>PGPSGPGGRR DSSIQRRLS NERERQRMHK LNNAFQALRE VIPHVRADKK LSKIETLTLA</p> <p>KNYIKSLTAT ILTMSSSRLP GLEGP GPKLY QHYQQQQQVA GGALGATEAQ PQGHLQRYST</p> <p>QIHSFREGT <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></p>
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:	<p>Key Benefits:</p> <ul style="list-style-type: none"> <li>• Made to order protein - from design to production - by highly experienced protein experts.</li> <li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li> <li>• The optimized expression system ensures reliability for intracellular, secreted and</li> </ul>

## Product Details

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:	BHLHA15
Alternative Name:	BHLHA15 ( <a href="#">BHLHA15 Products</a> )
Background:	Class A basic helix-loop-helix protein 15 (bHLHa15) (Class B basic helix-loop-helix protein 8) (bHLHb8) (Muscle, intestine and stomach expression 1) (MIST-1),FUNCTION: Plays a role in controlling the transcriptional activity of MYOD1, ensuring that expanding myoblast populations remain undifferentiated. Repression may occur through muscle-specific E-box occupancy by homodimers. May also negatively regulate bHLH-mediated transcription through an N-terminal repressor domain. Serves as a key regulator of acinar cell function, stability, and identity. Also required for normal organelle localization in exocrine cells and for mitochondrial calcium ion transport. May function as a unique regulator of gene expression in several different embryonic and postnatal cell lineages. Binds to the E-box consensus sequence 5'-CANNTG-3' (By similarity). {ECO:0000250 UniProtKB:Q9QYC3}.
Molecular Weight:	20.8 kDa
UniProt:	<a href="#">Q7RTS1</a>

## 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