

## Product datasheet for **TP315938M**

### **BHLHA15 (NM\_177455) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human basic helix-loop-helix family, member a15 (BHLHA15), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215938 representing NM_177455 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MKTKNRPPRRRAPVQDTEATPGEGTPDGSLPNPGPEPAKGLRSRPARAAARAPGEGRRRRPGPSGPGGRR  
DSSIQRRLSNERERQRMHKLNNAFQALREVIPHVRADKKLSKIETLTLAKNYIKSLTATILTMSSSRLP  
GLEPGPKLYQHYQQQQVAGGALGATEAQPQGHQLQRYSTQIHSFREGT

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	20.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_803238</a>
Locus ID:	168620
UniProt ID:	<a href="#">Q7RTS1</a>
RefSeq Size:	588



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Cytogenetics: 7q21.3

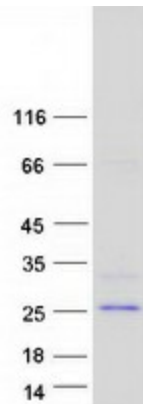
RefSeq ORF: 567

Synonyms: BHLHB8; MIST1

**Summary:** 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).[UniProtKB/Swiss-Prot Function]

**Protein Pathways:** Maturity onset diabetes of the young

### Product images:



Coomassie blue staining of purified BHLHA15 protein (Cat# [TP315938]). The protein was produced from HEK293T cells transfected with BHLHA15 cDNA clone (Cat# [RC215938]) using MegaTran 2.0 (Cat# [TT210002]).