

## Product datasheet for TP524224

### Bhlha15 (NM\_010800) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse basic helix-loop-helix family, member a15 (Bhlha15), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224224 representing NM_010800 Red=Cloning site Green=Tags(s)
	MKTKNRPPRRRTPMQDTEATPGEQTPDRPQSGSGGSELTKGLRSRTARASGGRGEVSRRRQSGGRRENS VQRRLSNERERQRMHKLNNAFQALREVIPHVRADKKLSKIETLTLAKNYIKSLTATILTMSSSRLPGL APGPAPGPKLYQHYHHQQQQQQQQVAGAMLGVTEQPQGHLLQRYSTQIHSFREGS
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	22.6 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
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 after receiving vials.
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_034930</a>
Locus ID:	17341
UniProt ID:	<a href="#">Q9QYC3</a>
RefSeq Size:	3494
Cytogenetics:	5 G2



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RefSeq ORF: 591

Synonyms: 1810009C13Rik; Bhlhb8; MIST-1; Mist1

**Summary:** Plays a role in controlling the transcriptional activity of MyoD, ensuring that expanding myoblast populations remain undifferentiated (PubMed:17612490). 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'. [UniProtKB/Swiss-Prot Function]