

## Product datasheet for **TP310294L**

### SHARP2 (BHLHE40) (NM\_003670) Human Recombinant Protein

#### Product data:

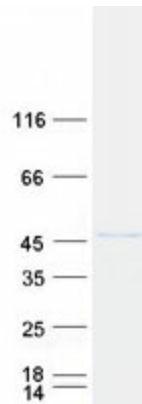
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human basic helix-loop-helix family, member e40 (BHLHE40), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210294 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MERIPSAQPPPACLPKAPGLEHGDLPGMYPAHMYQVYKSRRGIKRSEDSKETYKLPHRLIEKRRDRINE CIAQLKDLLPEHLKLTTLGHLEKAVVLELTLKHVKALTNLIDQQQQKIIALQSGLQAGELSGRNVETGQE MFCSGFQTCAREVLQYLAKHENTRDLKSSQLVTHLHRVSELLQGGTSRKPSDPAPKVMDFKEKPSSPAK GSEGPKNKCVPIQRTFAHSSGEQSGSDTDTDSGYGGESEKGDLRSEQPCFKSDHGRRFTMGERIGAIIKQ ESEEPPTKKNRMQLSDDEGHFTSSDLISSPFLGPHPHQPPFCLPFYLIPPSATAYLPMLEKWCWYPTSPV LYPGLNASAAAALSSFMNPDKISAPLLMPQRLPSPLPAHPSVDSSVLLQALKPIPLNLETKD
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	45.3 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_003661</a>
Locus ID:	8553



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UniProt ID:	<u>O14503</u> , <u>Q6IB83</u>
RefSeq Size:	3061
Cytogenetics:	3p26.1
RefSeq ORF:	1236
Synonyms:	BHLHB2; Clast5; DEC1; HLHB2; SHARP-2; SHARP2; STRA13; Stra14
Summary:	This gene encodes a basic helix-loop-helix protein expressed in various tissues. The encoded protein can interact with ARNTL or compete for E-box binding sites in the promoter of PER1 and repress CLOCK/ARNTL's transactivation of PER1. This gene is believed to be involved in the control of circadian rhythm and cell differentiation. [provided by RefSeq, Feb 2014]
Protein Families:	Transcription Factors
Protein Pathways:	Circadian rhythm - mammal

### Product images:



Coomassie blue staining of purified BHLHE40 protein (Cat# [TP310294]). The protein was produced from HEK293T cells transfected with BHLHE40 cDNA clone (Cat# [RC210294]) using MegaTran 2.0 (Cat# [TT210002]).