

## Product datasheet for **TP307474L**

### **ACTL7B (NM\_006686) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human actin-like 7B (ACTL7B), 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC207474 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MATRNPMPLGTAQGDPGEAGTRPGPDASLRDTGAATQLKMKPRKVHKIKAVIIDLGSQYCKCGYAGEPR  
PTYFISSTVGKRCPEAADAGDTRKWTLVGHELLNTEAPLKLVNPLKHGIWVDWDCVQDIWEYIFRTAMKI  
LPEEHAVLVSDPPLSPSSNREKYAELMFETFGIPAMHVTSQSLLSIYSYGKTSGLLVESGHGVSHVVPIS  
EGDVLPLGTSRADYAGGDLNLYMQLLNEAGHAFTDDHLHIEHIKHKCCYAAFLPEEELGLVPEELRVD  
YELPDGKLITIGQERFRCSEMLFQPFLAGSTQPGLPELTAACLGRCDTGFKEMAANVLLCGGCTMLDG  
FPERFQRELSLLCPGDSPAVAAAAPERKTSVWTGGSILASLQAFQQLWVSKEEFEERGSVAIYSKC

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	45.1 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_006677</a></u>
<b>Locus ID:</b>	10880

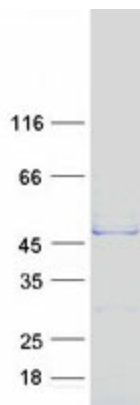


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UniProt ID:	<a href="#">Q9Y614</a> , <a href="#">A0A140VKC6</a>
RefSeq Size:	1408
Cytogenetics:	9q31.3
RefSeq ORF:	1245
Synonyms:	Tact1

**Summary:** The protein encoded by this gene is a member of a family of actin-related proteins (ARPs) which share significant amino acid sequence identity to conventional actins. Both actins and ARPs have an actin fold, which is an ATP-binding cleft, as a common feature. The ARPs are involved in diverse cellular processes, including vesicular transport, spindle orientation, nuclear migration and chromatin remodeling. This gene (ACTL7B), and related gene, ACTL7A, are intronless, and are located approximately 4 kb apart in a head-to-head orientation within the familial dysautonomia candidate region on 9q31. Based on mutational analysis of the ACTL7B gene in patients with this disorder, it was concluded that it is unlikely to be involved in the pathogenesis of dysautonomia. Unlike ACTL7A, the ACTL7B gene is expressed predominantly in the testis, however, its exact function is not known. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified ACTL7B protein (Cat# [TP307474]). The protein was produced from HEK293T cells transfected with ACTL7B cDNA clone (Cat# [RC207474]) using MegaTran 2.0 (Cat# [TT210002]).