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Product datasheet for TP307474

ACTL7B (NM_006686) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human actin-like 7B (ACTL7B), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207474 protein sequence Red=Cloning site Green=Tags(s) MATRNSPMPLGTAQGDPGEAGTRPGPDASLRDTGAATQLKMKPRKVHKIKAVIIDLGSQYCKCGYAGEPR PTYFISSTVGKRCPEAADAGDTRKWTLVGHELLNTEAPLKLVNPLKHGIVVDWDCVQDIWEYIFRTAMKI LPEEHAVLVSDPPLSPSSNREKYAELMFETFGIPAMHVTSQSLLSIYSYGKTSGLVVESGHGVSHVVPIS EGDVLPGLTSRADYAGGDLTNYLMQLLNEAGHAFTDDHLHIIEHIKKKCCYAAFLPEEELGLVPEELRVD YELPDGKLITIGQERFRCSEMLFQPSLAGSTQPGLPELTAACLGRCQDTGFKEEMAANVLLCGGCTMLDG FPERFQRELSLLCPGDSPAVAAAPERKTSVWTGGSILASLQAFQQLWVSKEEFEERGSVAIYSKC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	45.1 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:	NP_006677
Locus ID:	10880

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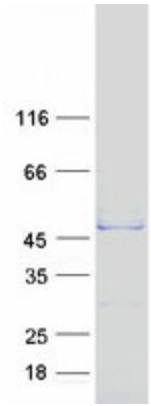
UniProt ID:	Q9Y614
RefSeq Size:	1408
Cytogenetics:	9q31.3
RefSeq ORF:	1245
Synonyms:	Tact1
Summary:	The protein encoded by this gene is a member of a family of actin-related proteins (ARPs) which share significant amino acid sequence identity to conventional actins. Both actins and ARPs have an actin 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]).