

## Product datasheet for **TP309287**

### MEAK7 (TLDC1) (NM\_020947) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human KIAA1609 (KIAA1609), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC209287 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MGNSRSRVGRSFCQFLPEEQAEIDQLFDALSSDKNSPNVSSKSFSLKALQNHVGEALPPEMVTRLYDGM  
RRVDLTGKAKGPESENVSQEFTASMSHLLKGNSEEKSLMIMKMISATEGPVKAREVQKFTEDLVGSSVHV  
LSHRQELRGWTGKEAPGPNPRVQVLAQQLSDMKLQDGKRLGQPWLDYDCDRAVIEDWVFRVPHVAIFL  
SVVICKGLVLCCSLDLTTLVPERQVDQGRGFESILDVLSVMYINAQLPREQRHRWLLFSSELHGHSFS  
QLCGHITHRGPCVAVLEDHDKHVFGGFASCSWEVKPQFQGDNRCLFSICPSMAVYTHYNDHYMYLNH  
GQQTIPNGLGMGGQHNYFGLWVDVDFGKGHSAKPTCTTYNSPQLSAQENFQFDKMEVWAVGDPSEEQLA  
KGNKSILDADPEAQALLEISGHSRHSSEGLREVPDDE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 50.8 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.

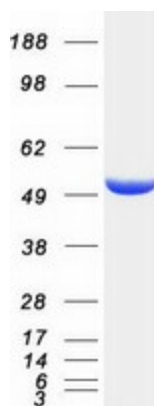
**RefSeq:** [NP\\_065998](#)



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Locus ID:	57707
UniProt ID:	<a href="#">Q6P9B6</a> , <a href="#">A8K5C2</a>
RefSeq Size:	5031
Cytogenetics:	16q24.1
RefSeq ORF:	1368
Synonyms:	KIAA1609; mEAK-7; TLDC1
Summary:	Activates an alternative mTOR signaling through RPS6KB2 activation and EIF4EBP1 repression to regulate cell proliferation and migration (PubMed:29750193). Recruits MTOR at the lysosome, essential for MTOR signaling at the lysosome (PubMed:29750193).[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified MEAK7 protein (Cat# TP309287). The protein was produced from HEK293T cells transfected with MEAK7 cDNA clone (Cat# [RC209287]) using MegaTran 2.0 (Cat# [TT210002]).