

## Product datasheet for PH309287

### MEAK7 (TLDC1) (NM\_020947) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	KIAA1609 MS Standard C13 and N15-labeled recombinant protein (NP_065998)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209287
Predicted MW:	51 kDa
Protein Sequence:	>RC209287 protein sequence Red=Cloning site Green=Tags(s)

MGNSRSRVGRSFCQFLPEEQAEIDQLFDALSSDKNSPNVSSKSFSLKALQNHVGEALPPEMVTRLVDGM  
RRVDLTGKAKGPESENVSQEQFTASMSHLLKGNSEEKSLMIMKMI SATEGPVKAREVQKFTEDLVGSVVHV  
LSHRQELRGWTGKEAPGPNPRVQVLAQLLSDMKLQDGKRLGQPWLDYDCDRAVIEDWFRVPHVAIFL  
SVVICKGFLVLCSSLDLTLVPERQVDQGRGFESILDVLSVMYINAQLPREQRHRWLLFSSELHGHSFS  
QLCGHITHRGPCVAVLEDHDKHVFGGFASCSWEVKPQFQGDNRCLFSICPSMAVYHTHTGYNDHYMYLNH  
GQQTIPNGLMGGQHNYFGLWVDVDFGKGHSRAKPTCTTNSPQLSAQENFQFDKMEVWAVGDPSEEQLA  
KGNKSILDADPEAQALLEISGHSRHSEGLREVPDDE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_065998</u>
RefSeq Size:	5031
RefSeq ORF:	1368
Synonyms:	KIAA1609; mEAK-7; TLDC1



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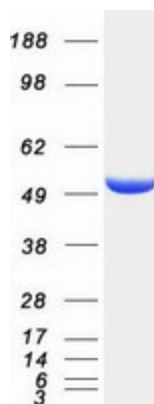
Locus ID: 57707

UniProt ID: [Q6P9B6](#), [A8K5C2](#)

Cytogenetics: 16q24.1

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]).