

## Product datasheet for PH309614

### ODAD4 (NM\_031421) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TTC25 MS Standard C13 and N15-labeled recombinant protein (NP_113609)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209614
Predicted MW:	75.8 kDa
Protein Sequence:	>RC209614 protein sequence Red=Cloning site Green=Tags(s)

MSDPEGETLRSTFPSYMAEGERLYLCGEFSKAAQSF SNALYLQDGDKNCLVARSKCF LKMGDLERSLKDA  
EASLQSDPAFCKGILQKAETLYTMGDFEFALVFYHRGYKL RPDREFR VGIQKAQEA INNSV GSPSSIKLE  
NKGDL SFLSKQAENIKAQQKPQPMK HLLHPTKGE PKWKASLKSEKTVRQLLGEL YVDKEYLEKLLD EDL  
IKGTMKGGLTVEDLIMTGINYLDTHSNFWRQ QKPIYARERDRKLMQEKWLRDHKRRPSQT AHYILKSLED  
IDMLL TSGSAEGSLQKAEKVLKKVLEWNKEEVPNKDEL VGNLYSCIGNAQIELGQMEALQSHRKDLEIA  
KEYDLPDAKSRALDNIGRVFARVGK FQQAIDT WEEKIPLAKTTLEKTWLFHEIGRCYLELDQAWQAQNYG  
EKSQQCAEEEGDIEWQLNASVLVAQAQVKLRDFESAVNNFEKALERAKL VHNNEAQQAIISALDDANKGI  
IRELRKTNVYENLKEKSEGEASLYEDRIITREKDMRRVRDEPEKVVKQWDHSEDEKETDEDEAFGEALQ  
SPASGKQSV EAGKARS DLGAVAKGLSGELGTRSGETGRKLL EAGRRESREIYRRPSGELEQRLSGEFSRQ  
EPEELKKLSEVGRREPEELGKTQFGEIGETTKNRK

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:	<a href="#">NP_113609</a>
RefSeq Size:	2310



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RefSeq ORF: 381

Synonyms: TTC25

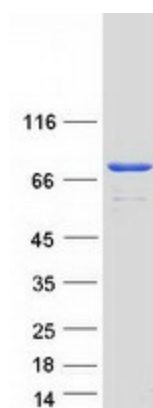
Locus ID: 83538

UniProt ID: [Q96NG3](#)

Cytogenetics: 17q21.2

**Summary:** This gene encodes a tetratricopeptide repeat domain-containing protein that localizes to ciliary axonemes and plays a role in the docking of the outer dynein arm to cilia. Mutations in this gene cause severely reduced ciliary motility and the disorder CILD35 (ciliary dyskinesia, primary, 35). Primary ciliary dyskinesia is often associated with recurrent respiratory infections, immotile spermatozoa, and situs inversus; an inversion in left-right body symmetry. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Apr 2017]

### Product images:



Coomassie blue staining of purified TTC25 protein (Cat# [TP309614]). The protein was produced from HEK293T cells transfected with TTC25 cDNA clone (Cat# [RC209614]) using MegaTran 2.0 (Cat# [TT210002]).