

Recombinant Human ODAD4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ODAD4-3198H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TTC25 MS Standard C13 and N15-labeled recombinant protein (NP_113609) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	75.8 kDa
AA Sequence	MSDPEGETLRSTFPSYMAEGERLYLCGEFSKAAQSFSNALYLQDGDKNCLVARSKC FLKMGLDLERSLKDAEASLQSDPAFCKGILQKAETLYTMGDFEFALVFYHRGYKLRPD REFRVGIQKAQEAINN SVGSPSSIKLENKGDLSFLSKQAENIKAQQKQPMKHLHP TKGEPKWKASLKSEKTVRQLLGELYVDKEYLEKLLDDEDLIKGTMKGGLTVEDLIMT GINYLDTHSNFWRQQKPIYARERDRKLMQEKWLRDHRKRRPSQTAHYILKSLEDIDML LTSGSAEGSLQKAEEKVLKKVLEWNKEEVPNKDELVGNLYSCIGNAQIELGQMEAAL

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QSHRKDLEIAKEYDLPPDAKSRALDNIGRVFARVGKFQQAITWEEKIPLAKTTLEKTW
 LFHEIGRCYLELDQAWQAQNYGEKSQQCAEEEGDIEWQLNASVLVAQAQVKLRDF
 ESAVNNFEKALERAKLVHNNEAQQAIISALDDANKGIIRELRKTNVENLKEKSEGEA
 SLYEDRIITREKDMRRVRDEPEKVVQWDHSEDEKETDEDDEAFGEALQSPASGKQ
 SVEAGKARSDLGAVAKGLSGELGTRSGETGRKLLEAGRRESREIYRRPSGELEQRL
 SGFSRQPEPEELKKLSEVGRREPEELGKTQFGEIGETKKNRKTRTRPLEQKLISEED
 LAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ODAD4 outer dynein arm docking complex subunit 4 [Homo sapiens (human)]

Official Symbol ODAD4

Synonyms ODAD4; outer dynein arm docking complex subunit 4; TTC25; tetratricopeptide repeat protein 25; TPR repeat protein 25; tetratricopeptide repeat domain 25

Gene ID 83538

mRNA Refseq NM_031421

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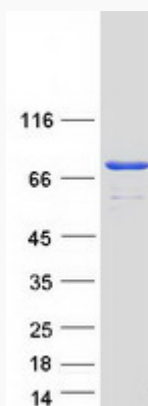
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Protein Refseq NP_113609

MIM 617095

UniProt ID Q96NG3

SDS-PAGE



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