

Datasheet for ABIN7550398
OTUD3 Protein (AA 1-398) (His tag)



[Go to Product page](#)

Overview

| | |
|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | OTUD3 |
| Protein Characteristics: | AA 1-398 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This OTUD3 protein is labelled with His tag. |

Product Details

| | |
|--------------|---|
| Purpose: | Custom-made recombinant OTUD3 Protein expressed in mammalian cells. |
| Sequence: | MSRKQAAKSR PGSGSRKAEA ERKRDERAAR RALAKERRNR PESGGGGGCE EEFVSFANQL QALGLKLREV PGDGNCLFRA LGDQLEGHSR NHLKHRQETV DYMIKQREDF EPFVEDDIPF EKHVASLAKP GTFAGNDAIV AFARNHQLNV VIHQLNAPLW QIRGTEKSSV RELHIAYRYG EHYDSVRRIN DNSEAPAHLQ TDFQMLHQDE SNKREKIKTK GMDSEDDL RD EVEDAVQKVC NATGCSDFNL IVQNLEAENY NIESAIIAVL RMNQGKRNN A EENLEPSGRV LKQCGLWEE GGSGARIFGN QGLNEGR TEN NKAQASPSEE NKANKNQLAK VTNKQRREQQ WMEKKKRQEE RHRHKALESR GSHRDNNRSE AEANTQVTLV KTFAALNI Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us. |
| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer. |

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

OTUD3

Alternative Name:

OTUD3 ([OTUD3 Products](#))

Background:

OTU domain-containing protein 3 (EC 3.4.19.12),FUNCTION: Deubiquitinating enzyme that hydrolyzes 'Lys-6'- and 'Lys-11'-linked polyubiquitin. Also hydrolyzes heterotypic (mixed and branched) and homotypic chains (PubMed:23827681, PubMed:32011234, PubMed:35675826). Important regulator of energy metabolism (PubMed:35675826). Glucose and fatty acids trigger its nuclear translocation by CBP-dependent acetylation (PubMed:35675826). In the nucleus, deubiquitinates and stabilizes the nuclear receptor PPARD regulating the expression of various genes involved in glucose and lipid metabolism and oxidative phosphorylation (PubMed:35675826). Also acts as a negative regulator of the ribosome quality control (RQC) by mediating deubiquitination of 40S ribosomal proteins RPS10/eS10 and RPS20/uS10, thereby antagonizing ZNF598-mediated 40S ubiquitination (PubMed:32011234). {ECO:0000269|PubMed:23827681, ECO:0000269|PubMed:32011234, ECO:0000269|PubMed:35675826}.

Molecular Weight:

45.1 kDa

Target Details

UniProt: [Q5T2D3](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months