

Datasheet for ABIN7550266
OTUD5 Protein (AA 1-571) (His tag)



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Overview

Quantity:	1 mg
Target:	OTUD5
Protein Characteristics:	AA 1-571
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OTUD5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant OTUD5 Protein expressed in mammalian cells.
Sequence:	<p>MTILPKKKPP PPDADPANEP PPPGPMPPAP RRRGGVGVGG GGTGVGGGDR DRDSGVVGAR PRASPPPQGP LPGPPGALHR WALAVPPGAV AGPRPQQASP PPCGGPGGPG GGPGDALGAA AAGVGAAGVV VGVGGAVGVG GCCSGPGHRS RRRQAPGVGA VGGGSPEREE VGAGYNSEDE YEAAAARIEA MDPATVEQQE HWFEKALRDK KGFIKQMKE DGACLFRAVA DQVYGDQDMH EVVRKHCMYD LMKNADYFSN YVTEDFTTYI NRKRKNNCHG NHIEMQAMAE MYNRPVEVYQ YSTGTSAVEP INTFHGIHQN EDEPIRVSYH RNIHNSVWN PNKATIGVGL GLPSFKPGFA EQSLMKNAIK TSEESWIEQQ MLEDKKRATD WEATNEAIEE QVARESYLQW LRDQEKQARQ VRGPSQRKA SATCSSATAA ASSGLEEWTS RSPRQRSSAS SPEHPELHAE LGMKPPSPGT VLALAKPPSP CAPGTSSQFS AGADRATSPL VSLYPALECR ALIQQMSPSA FGLNDWDDDE ILASVLAVSQ QEYLDMSKKN KVHRDPPDPK S 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</p>

Product Details

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.

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: OTUD5

Alternative Name: OTUD5 ([OTUD5 Products](#))

Background: OTU domain-containing protein 5 (EC 3.4.19.12) (Deubiquitinating enzyme A) (DUBA),FUNCTION: Deubiquitinating enzyme that functions as a negative regulator of the innate immune system (PubMed:17991829, PubMed:22245969, PubMed:23827681, PubMed:33523931). Has peptidase activity towards 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains (PubMed:22245969). Can also cleave 'Lys-11'-linked ubiquitin chains (in vitro) (PubMed:22245969). Acts via TRAF3 deubiquitination and subsequent suppression of type I interferon (IFN) production (PubMed:17991829). Controls neuroectodermal differentiation through cleaving 'Lys-48'-linked ubiquitin chains to counteract degradation of select chromatin regulators such as ARID1A, HDAC2 and HCF1 (PubMed:33523931). Acts as a positive regulator of mTORC1 and mTORC2 signaling following phosphorylation by MTOR: acts by mediating

Target Details

deubiquitination of BTRC, leading to its stability (PubMed:33110214).
{ECO:0000269|PubMed:17991829, ECO:0000269|PubMed:22245969,
ECO:0000269|PubMed:23827681, ECO:0000269|PubMed:33110214,
ECO:0000269|PubMed:33523931}.

Molecular Weight: 60.6 kDa

UniProt: [Q96G74](#)

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