

Datasheet for ABIN7562083
D7Ert443e Protein (AA 1-644) (His tag)



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Overview

Quantity:	1 mg
Target:	D7Ert443e (D7ERTD443E)
Protein Characteristics:	AA 1-644
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This D7Ert443e protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant D7Ert443e Protein expressed in mammalian cells.
Sequence:	MISPVVISRL IDEKKS MENG AILPQAIAQP QLCPTKPALA RRDGVSMHRR FALSPDRLGI LTPSDDQGLE TEPLSTGDNL GKGSHSGFSS ITITARRVGP PASSLVWDTF RDPLCPKCKA KDALFQEPPV LAGDAHLCQH NRPFTCTESP SNGSVEGMKV FQAHSRLSAR QDYWVTHTND NEDSFSSDNS PSRKVPLVFS SCVHFRVSQQ CPNAIYYLDK SLSVPLERPQ IASPKMHRVS LSLSLRCSSH QLTADGVDSS ANGEPISTAL SQELSEGKQD LLGPQWGPQ GGHWKESPAL VPVHLGSGTC PRTGSPPLEN VKFADVGRNQ VPVRKEKEDH ATCTSSHTN QLSIHIPGWS YRAETKVL SG SKKQQQEAQR TLPAPFVGQK TIKHFPPEGD SSPSSDGQPS ILSESNERQH PYFMIPRVPL PGFYCPLQTG CASLQEDGAV QIETHFPKDY TCCDLVVKLK ECEKNEDPTV TPEPATPS PSTPEGAQSS DPSEDSYEPL LASSMTLQEA LEVHRPQFIS RSQERLQK LK RMVQQRKTQQ KESLGQKQSL LPVRANKKQF TIPHPLSDNL FKPKERCISE KEMHMRSKRI YNNLPEVKKK KEEQKKRMIL QSNRLRAEVF KKQLLDQLLQ RNAV Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different

Product Details

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.

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: D7Ertd443e (D7ERTD443E)

Alternative Name: D7Ertd443e ([D7ERTD443E Products](#))

Background: (E2-independent) E3 ubiquitin-conjugating enzyme FATS (EC 2.3.2.-) (Centrosomal protein C10orf90 homolog) (E2/E3 hybrid ubiquitin-protein ligase FATS) (Fragile-site associated tumor suppressor homolog) (FATS),FUNCTION: Tumor suppressor that is required to sustain G2/M checkpoint after DNA damage (PubMed:20843368, PubMed:20154723, PubMed:24240685). Acts as a p53/TP53 activator by inhibiting MDM2 binding to p53/TP53 and stimulating non-proteolytic polyubiquitination of p53/TP53. Exhibits ubiquitin ligase (E3) activity and assemble ubiquitin polymers through 'Lys-11'- (K11-), 'Lys-29'- (K29-) and 'Lys-63'- (K63)-linkages, independently of the ubiquitin-conjugating enzyme (E2). Promotes p53/TP53-dependent transcription of CDKN1A/p21, leading to robust checkpoint response (PubMed:24240685).

Target Details

Mediates CDKN1A/p21 protein stability in a ubiquitin-independent manner. Interacts with HDAC1 and prevents binding of HDAC1 to CDKN1A/p21 and facilitates the acetylation and stabilization of CDKN1A/p21 (PubMed:20154723). May have a role in the assembly of primary cilia (By similarity). {ECO:0000250|UniProtKB:Q96M02, ECO:0000269|PubMed:20154723, ECO:0000269|PubMed:20843368, ECO:0000269|PubMed:24240685}.

Molecular Weight: 71.5 kDa

UniProt: [D2J0Y4](#)

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