

Datasheet for ABIN7551477
TROVE2 Protein (AA 1-538) (His tag)



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Overview

Quantity:	1 mg
Target:	TROVE2
Protein Characteristics:	AA 1-538
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TROVE2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RO60 Protein expressed in mammalian cells.
Sequence:	<p>MEESVNQMQP LNEKQIANSQ DGYVWQVTDM NRLHRFLCFG SEGGTYIYKE QKLGLENAEA LIRLIEDGRG CEVIQEIKSF SQEGRTTKQE PMLFALAICS QCSDISTKQA AFKAVSEVCR IPTHLFTFIQ FKKDLKESMK CGMWGRALRK AIADWYNEKG GMALALAVTK YKQRNGWSHK DLLRLSHLKP SSEGLAIVTK YITKGWKEVH ELYKEKALSV ETEKLLKYLE AVEKVKRTRD ELEVIHLIEE HRLVREHLLT NHLKSKEVWK ALLQEMPLTA LLRNLGKMTA NSVLEPGNSE VSLVCEKLCN EKLLKKARIH PFHILIALET YKTGHGLRGK LKWRPDEEIL KALDAAFYKT FKTVEPTGKR FLLAVDVSAS MNQRVLGSIL NASTVAAAMC MVVTRTEKDS YVVAFSDEM PCPVTTDRTL QQVLMAMSQI PAGGTDCSLP MIWAQKTNTP ADVFIVFTDN ETFAGGVHPA IALREYRKKM DIPAKLIVCG MTSNGFTIAD PDRGMLDMC GFDTGALDVI RNFTLDMI 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.</p>

Product Details

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: TROVE2

Alternative Name: RO60 ([TROVE2 Products](#))

Background: RNA-binding protein RO60 (60 kDa SS-A/Ro ribonucleoprotein) (60 kDa Ro protein) (60 kDa ribonucleoprotein Ro) (RoRNP) (Ro 60 kDa autoantigen) (Ro60 autoantigen) (Sjogren syndrome antigen A2) (Sjogren syndrome type A antigen) (SS-A) (TROVE domain family member 2),FUNCTION: RNA-binding protein that binds to misfolded non-coding RNAs, pre-5S rRNA, and several small cytoplasmic RNA molecules known as Y RNAs (PubMed:18056422, PubMed:26382853). Binds to endogenous Alu retroelements which are induced by type I interferon and stimulate proinflammatory cytokine secretion (PubMed:26382853). Regulates the expression of Alu retroelements as well as inflammatory genes (PubMed:26382853). May play roles in cilia formation and/or maintenance (By similarity).
{ECO:0000250|UniProtKB:O08848, ECO:0000269|PubMed:18056422, ECO:0000269|PubMed:26382853}.

Target Details

Molecular Weight: 60.7 kDa

UniProt: [P10155](#)

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