

Datasheet for ABIN7563368

TRAIL Protein (AA 1-291) (His tag)



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3 Images

Overview

Quantity:	1 mg
Target:	TRAIL (TNFSF10)
Protein Characteristics:	AA 1-291
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRAIL protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tnfsf10 Protein expressed in mammalian cells.
Sequence:	<p>MPSSGALKDL SFSQHFRMMV ICIVLLQVLL QAVSVAVTYM YFTNEMKQLQ DNYSKIGLAC</p> <p>FSKTDEDFWD STDGEILNRP CLQVKRQLYQ LIEEVLRTF QDTISTVPEK QLSTPPLPRG</p> <p>GRPQKVAHI TGITRRNSA LIPISKDGKT LGQKIESWES SRKGHSFLNH VLFRNGELVI</p> <p>EQEGLYYIYS QTYFRFQAE DASKMVSKDK VRTKQLVQYI YKYTSYPDPI VLMKSARNSC</p> <p>WSRDAEYGLY SIYQGGLFEL KKNDRI FSV TNEHLMDLQ EASFFGAFLI N 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>
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:

Product Details

- 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:	TRAIL (TNFSF10)
Alternative Name:	Tnfsf10 (TNFSF10 Products)
Background:	Tumor necrosis factor ligand superfamily member 10 (TNF-related apoptosis-inducing ligand) (Protein TRAIL) (CD antigen CD253),FUNCTION: Cytokine that binds to TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and possibly also to TNFRSF11B/OPG. Induces apoptosis. Its activity may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and TNFRSF11B/OPG that cannot induce apoptosis. {ECO:0000250 UniProtKB:P50591}.
Molecular Weight:	33.5 kDa
UniProt:	P50592
Pathways:	Apoptosis , Positive Regulation of Endopeptidase Activity

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.
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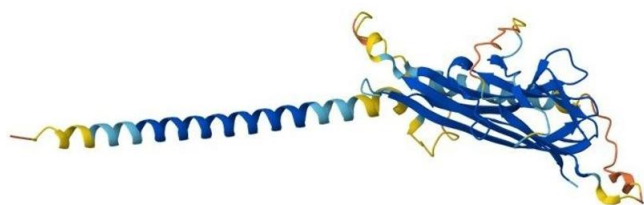
Application Details

Restrictions: For Research Use only

Handling

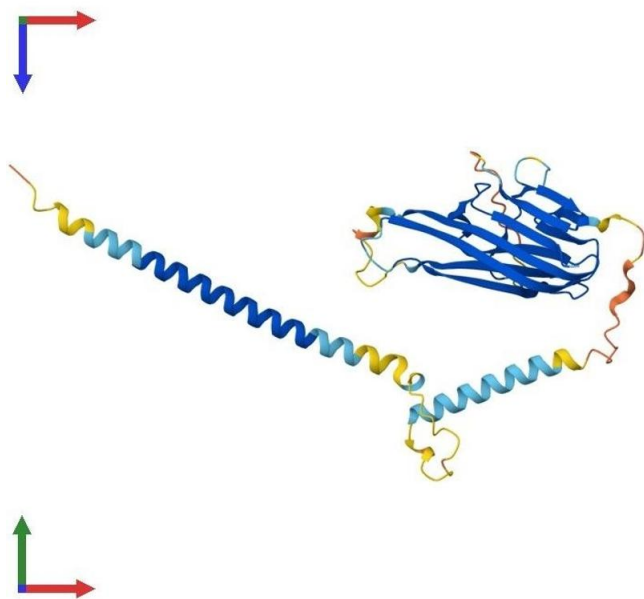
Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

Images



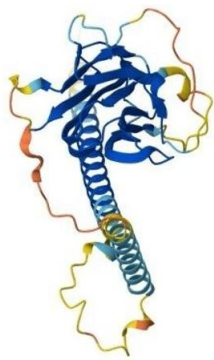
Protein Structure

Image 1. AlphaFold protein structure prediction of Mouse Recombinant Tnfsf10 Protein, UniprotID P50592



Protein Structure

Image 2. AlphaFold protein structure prediction of Mouse Recombinant Tnfsf10 Protein, UniprotID P50592



Protein Structure

Image 3. AlphaFold protein structure prediction of Mouse Recombinant Tnfsf10 Protein, UniprotID P50592