

Datasheet for ABIN7547338
ELP4 Protein (AA 1-424) (His tag)



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Overview

Quantity:	1 mg
Target:	ELP4
Protein Characteristics:	AA 1-424
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ELP4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ELP4 Protein expressed in mammalian cells.
Sequence:	<p>MAAVATCGSV AASTGSAVAT ASKSNVTSFQ RRGPRASVTN DSGPRLVSIA GTRPSVRNGQ LLVSTGLPAL DQLLGGGLAV GTVLLIEEDK YNIYSPLLFK YFLAEGIVNG HTLLVASAKE DPANILQELP APLLDDKCKK EFDEDVYNHK TPESNIKMKI AWRYQLPKM EIGPVSSSRF GHYYDASKRM PQELIEASNW HGFFLPEKIS STLKVEPCSL TPGYTKLLQF IQNIIYEEGF DGSNPQKKQR NILRIGIQNL GSPLWGDDIC CAENGGNSHS LTKFLYVLRG LLRTSLSACI ITMPTHLIQN KAIARVTTL SDVVVGLESF IGSERETNPL YKDYHGLIHI RQIPRLNLI CDESDVKDLA FKLKRKLFTI ERLHLPPDLS DTVSRSSKMD LAESAKRLGP GCGMMAGGKK HLDF</p> <p>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.

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:

ELP4

Alternative Name:

ELP4 ([ELP4 Products](#))

Background:

Elongator complex protein 4 (hELP4) (PAX6 neighbor gene protein),FUNCTION: Component of the elongator complex which is required for multiple tRNA modifications, including mcm5U (5-methoxycarbonylmethyl uridine), mcm5s2U (5-methoxycarbonylmethyl-2-thiouridine), and ncm5U (5-carbamoylmethyl uridine) (PubMed:29332244). The elongator complex catalyzes the formation of carboxymethyluridine in the wobble base at position 34 in tRNAs (PubMed:29332244). {ECO:0000303|PubMed:29332244}.

Molecular Weight:

46.6 kDa

UniProt:

[Q96EB1](#)

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.

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