

Datasheet for ABIN7564800
ELP2 Protein (AA 1-831) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ELP2
Protein Characteristics:	AA 1-831
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ELP2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Elp2 Protein expressed in mammalian cells.
Sequence:	<p>MVSSVLEVSH VFCCPNRVRG ALSWNTGPGG LLAFGTSCSV VLYDPQKKVV ITNLNGHTAR</p> <p>VNCLQWIRTE DGSPSNELVS GGSDNRVIHW ELENQVLKS VRLQGHEGPV CAVHAIYQSG</p> <p>PSEGEQHALI ASAASDSTVR IWSKKGSEVK YLQTLSEFRDG FVLSVCLAIL PGTNPVPLAC</p> <p>GDDDCRIHLY IQQDDQFQKA LSLCGHEDWI RGVEWATFGR DLFLASCSQD CLIRIWRLYM</p> <p>KPASFETKDG SLRLKENTFT IKDGGVRTTV AVTLETVLAG HENWVNAVHW QPSFYKDGVL</p> <p>QQPVRLLSAS MDKTMILWAP DEESGVWLEQ VRVGEVGGNT LGFYDCQFGE NGTMIAHAF</p> <p>HGALHLWKQS TVNPRQWAP EIVISGHFDGV QDLMWDPEGE FIITSTDQT TRLFAPWKKK</p> <p>DQKDRSQVTW HEIARPQIHG YNIKCLAMID RFQFVSGADE KVLRFVSAPR NFVENFSVIS</p> <p>RQSLSHMLCD DQDLPEGATV PALGLSNKAL FQGDIASQPF EEDELISPAF GSPQVTFQPA</p> <p>VLNEPPTEDH LLQNTLWPEI QKLYGHGYEI VCVACNNSKT LLASACKASQ KEHAAIILWS</p> <p>TASWKQVQSL AFHTLTVTQM TFSPDDKFL AVSRDRTWSL WKRQDATSSE FDPFFSLFAF</p>

TNKITSVHSR IIWSCDWSPD NKYFFTGSRD KKVVVWGECK SSHNPMEHPI RPCSSILDVG
SSVTAVSVCP VLNPAQRYIV AIGLESGKIC IYSWNKTNQE INDWTSCVET NPSQSHSLGI
RRLCWKSCSD DDDDDDDDDT EQSEEGPEWL HFASCGEDHT VKIYRVNRRRA L **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.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
------------------	---

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	ELP2
Alternative Name:	Elp2 (ELP2 Products)
Background:	<p>Elongator complex protein 2 (ELP2) (STAT3-interacting protein 1) (StlP1),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). The elongator complex catalyzes the formation of carboxymethyluridine in the wobble base at position 34 in tRNAs. {ECO:0000250 UniProtKB:Q6IA86}.</p>
Molecular Weight:	93.1 kDa

Target Details

UniProt:	Q91WG4
Pathways:	Stem Cell Maintenance , Positive Regulation of Endopeptidase Activity , Protein targeting to Nucleus

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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