# Recombinant Human elongator acetyltransferase complex subunit 4, His-tagged

**Cat. No.** ELP4-623H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | ELP4, 1-424aa, Human, His tag, E.coli |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 1-424 a.a. |
| **Description** | ELP4 is a component of the six subunit elongator complex, a histone acetyltransferase complex that associates directly with RNA polymerase II during transcriptional elongation. The human gene can partially complement sensitivity phenotypes of yeast ELP4 deletion mutants. Alternatively spliced variants that encode different protein isoforms have been described but the full-length nature of only one has been determined. Recombinant human ELP4 protein, fused to His-tag at N-terminus, was expressed in E.coli. |
| **Form** | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol |
| **Molecular Mass** | 49kDa (447aa) |
| **AA Sequence** | MGSSHHHHHH SSGLVPRGSH MGSMAAVATC GSVAASTGSA VATASKSNVT SFQRRGPRAS VTNDSGPRLV SIAGTRPSVR NGQLLVSTGL PALDQLLGGG LAVGTVLLIE EDKYNIYSPL LFKYFLAEGI VNGHTLLVAS AKEDPANILQ ELPAPLLDDK CKKEFDEDVY NHKTPESNIK MKIAWRYQLL PKMEIGPVSS |

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| | SRFGHYYDAS KRMPQELIEA SNWHGFFLPE KISSTLKVEP CSLTPGYTKL LQFIQNIIYE EGFDGSNPQK KQRNILRIGI QNLGSPLWGD DICCAENGGN SHSLTKFLYV LRGLLRTSLS ACIITMPTHL IQNKAIIARV TTLSDVVVGL ESFIGSERET NPLYKDYHGL IHIRQIPRLN NLICDESDVK DLAFKLKRKL FTIERLHLPP DLSDTVSRSS KMDLAESAKR LGPGCGMMAG GKKHLDF |
| **Purity** | >80% by SDS - PAGE |
| **Storage** | Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles. |
| **Concentration** | 1 mg/ml (determined by Bradford assay) |

## GENE INFORMATION

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| **Gene Name** | ELP4 elongation protein 4 homolog (S. cerevisiae) [ Homo sapiens ] |
| **Official Symbol** | ELP4 |
| **Synonyms** | ELP4; elongation protein 4 homolog (S. cerevisiae); C11orf19, chromosome 11 open reading frame 19; elongator complex protein 4; PAXNEB; hELP4; PAX6 neighbor gene protein; PAX6NEB; C11orf19; dJ68P15A.1; FLJ20498; |
| **Gene ID** | 26610 |
| **mRNA Refseq** | NM_019040 |
| **Protein Refseq** | NP_061913 |
| **MIM** | 606985 |

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| **UniProt ID** | Q96EB1 |
| **Chromosome Location** | 11p13 |
| **Function** | contributes_to histone acetyltransferase activity; phosphorylase kinase regulator activity; protein binding; |

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