

## Product datasheet for PH319128

### ELP4 (NM\_019040) Human Mass Spec Standard

#### Product data:

|                                       |                                                                                                                                          |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:                         | Mass Spec Standards                                                                                                                      |
| Description:                          | ELP4 MS Standard C13 and N15-labeled recombinant protein (NP_061913)                                                                     |
| Species:                              | Human                                                                                                                                    |
| Expression Host:                      | HEK293                                                                                                                                   |
| Expression cDNA Clone or AA Sequence: | RC219128                                                                                                                                 |
| Predicted MW:                         | 47 kDa                                                                                                                                   |
| Protein Sequence:                     | >RC219128 representing NM_019040<br><span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s) |

MAAVATCGSVAASTGSAVATASKSNVTSFQRRGPRASVTNDSGPRLVSIAGTRPSVRNGQLLVSTGLPAL  
 DQLLGGLAVGTVLLIEEDKYNISPLLFKYFLAEGIVNGHTLLVASAKEDPANILQELPAPLLDDKCKK  
 EFDEDVYNHKTPESTNIKMIAWRYQLLPKMEIGPVSSSRFGHYDASKRMPQELIEASNWHGFFLPEKIS  
 STLKVEPCSLTPGYTKLLQFIQNIIEEGFDGSPQKQNRILRIGIQNLGSPLWGDDICCAENGGNSHS  
 LTKFLYVLRGLLRTSLSACIITMPHLIQNKAIARVTTLSDVVVGLESFIGSERETNPLYKDYHGLIHI  
 RQIPRLNNLICDESDVKDLAFKLKRKLFTIERLHLPDLSDTVSRSSKMDLAESAKRLGPGCGMMAGGKK  
 HLDF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                  |                                                                                                                                                                          |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tag:             | C-Myc/DDK                                                                                                                                                                |
| Purity:          | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                              |
| Concentration:   | >0.05 µg/µL as determined by microplate BCA method                                                                                                                       |
| Labeling Method: | Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine |
| Buffer:          | 25 mM Tris-HCl, 100 mM glycine, pH 7.3                                                                                                                                   |
| Storage:         | Store at -80°C. Avoid repeated freeze-thaw cycles.                                                                                                                       |
| Stability:       | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                               |
| RefSeq:          | <u>NP_061913</u>                                                                                                                                                         |
| RefSeq Size:     | 2341                                                                                                                                                                     |
| RefSeq ORF:      | 1272                                                                                                                                                                     |
| Synonyms:        | AN; AN2; C11orf19; dj68P15A.1; hELP4; PAX6NEB; PAXNEB                                                                                                                    |


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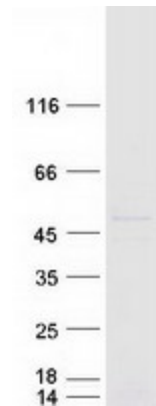
Locus ID: 26610

UniProt ID: [Q96EB1](#)

Cytogenetics: 11p13

**Summary:** This gene encodes 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. This gene has also been associated with Rolandic epilepsy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]

## Product images:



Coomassie blue staining of purified ELP4 protein (Cat# [TP319128]). The protein was produced from HEK293T cells transfected with ELP4 cDNA clone (Cat# [RC219128]) using MegaTran 2.0 (Cat# [TT210002]).