

# Recombinant Full Length Human EGLN3 Protein, C-Flag-tagged

**Cat. No.** EGLN3-498HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human EGLN3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | Enables peptidyl-proline 4-dioxygenase activity. Involved in several processes, including activation of cysteine-type endopeptidase activity involved in apoptotic process; peptidyl-proline hydroxylation to 4-hydroxy-L-proline; and response to hypoxia. Located in cytosol and nucleus. Implicated in renal cell carcinoma. Biomarker of clear cell renal cell carcinoma. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 27.1 kDa                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MPLGHIMRLDLEKIALEYIVPCLHEVGFNCYLDNFLGEVVGDCVLERVKQLHCTGALR<br>DGQLAGPRAGVSK RHLRGDQITWIGGNEEGCEAISFLLSLIDRLVLYCGSRLGKYV<br>KERSKAMVACYPGNGTGYVRHVDNPN GDGRCITCIYYLNKNWDALHGGILRIFPE<br>GKSFIADVPEIFDRLLFFWSDRRNPHEVQPSYATRYAMTV<br>WYFDAEERAEAKKKFRNLTRKTESALTEDTRTRPLEQKLISEEDLAANDILDYKDDD<br>DKV                                                                           |

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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Druggable Genome                                                                                                                              |
| <b>Protein Pathways</b> | Pathways in cancer, Renal cell carcinoma                                                                                                      |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| <b>Gene Name</b>       | EGLN3 egl-9 family hypoxia inducible factor 3 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | EGLN3                                                                  |
| <b>Synonyms</b>        | PHD3; HIFPH3; HIFP4H3                                                  |
| <b>Gene ID</b>         | 112399                                                                 |
| <b>mRNA Refseq</b>     | NM_022073.4                                                            |
| <b>Protein Refseq</b>  | NP_071356.1                                                            |

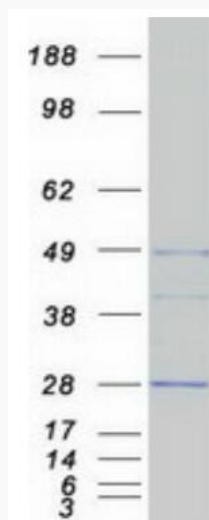
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MIM 606426

UniProt ID Q9H6Z9



Coomassie blue staining of purified EGLN3 protein.

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