

## Recombinant Full Length Human engrailed homeobox 2 Protein, Tag Free

**Cat. No.** EN2-189H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human EN2 protein (P19622) (Met 1-Glu 333) without tag was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 1-333aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | Homeobox-containing genes are thought to have a role in controlling development. In Drosophila, the 'engrailed' (en) gene plays an important role during development in segmentation, where it is required for the formation of posterior compartments. Different mutations in the mouse homologs, En1 and En2, produced different developmental defects that frequently are lethal. The human engrailed homologs 1 and 2 encode homeodomain-containing proteins and have been implicated in the control of pattern formation during development of the central nervous system. |
| <b>Tag</b>              | Non                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 34.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Endotoxin</b>        | Less than 1.0 EU/μg by the LAL method.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | >95% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

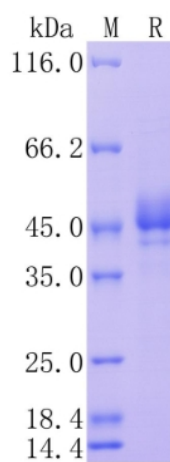
 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| <b>Storage Buffer</b>   | Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.                                                                                                                                         |
| <b>Reconstitution</b>   | Reconstitute at 250 µg/mL in sterile water.                                                                                                                                                                                   |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                               |
| <b>Gene Name</b>        | EN2 engrailed homeobox 2 [ Homo sapiens (human) ]                                                                                                                                                                             |
| <b>Official Symbol</b>  | EN2                                                                                                                                                                                                                           |
| <b>Synonyms</b>         | EN2; engrailed homeobox 2; homeobox protein engrailed-2; hu-En-2; engrailed-2; engrailed homolog 2; homeobox protein en-2;                                                                                                    |
| <b>Gene ID</b>          | 2020                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>      | NM_001427                                                                                                                                                                                                                     |
| <b>Protein Refseq</b>   | NP_001418                                                                                                                                                                                                                     |
| <b>MIM</b>              | 131310                                                                                                                                                                                                                        |
| <b>UniProt ID</b>       | P19622                                                                                                                                                                                                                        |

**Protein on SDS-  
PAGE under  
reducing (R)  
condition.**



Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA