

Product datasheet for **TP311220M**

EN2 (NM_001427) Human Recombinant Protein

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human engrailed homeobox 2 (EN2), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC211220 representing NM_001427 Red =Cloning site Green =Tags(s) MEENDPKPGEAAAAVEGQRQPESSPGGGSGGGGGSSPGEADTGRRRALMLPAVLQAPGNHQHPHRITNFF IDNILRPEFGRRKDAGTCCAGAGGGRRGGGAGGEGGASGAEGGGGAGGSEQLLGSGSREPRQNPPCAPGAG GPLPAAGSDSPGDGEGGSKTLSLHGGAKKGGDPGGPLDGSLKARGLGGGDLVSSSDSSQAGANLGAQP MLWPAWVYCTRYSDRPSSGPRSRKPKKKNPNKEDKRPRTAFTAQLQLKAEFQTNRYLQEQRRQSLAQE LSLNESQIKIWFQNKRAKIKKATGNKNTLAVHLMAQGLYNHSTTAKEGKSDSE TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Predicted MW: | 34 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | <u>NP_001418</u> |
| Locus ID: | 2020 |



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UniProt ID: [P19622](#)

RefSeq Size: 3405

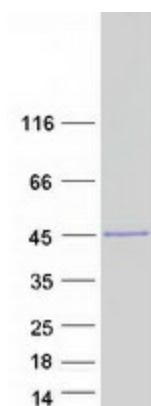
Cytogenetics: 7q36.3

RefSeq ORF: 999

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, ES Cell Differentiation/IPS

Product images:



Coomassie blue staining of purified EN2 protein (Cat# [TP311220]). The protein was produced from HEK293T cells transfected with EN2 cDNA clone (Cat# [RC211220]) using MegaTran 2.0 (Cat# [TT210002]).