

Recombinant Full Length Human EN2 Protein, C-Flag-tagged

Cat. No. EN2-604HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human EN2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	34 kDa
AA Sequence	MEENDPKPGEEAAA VEGQRQPESSPGGGSGGGGGSSPGEADTGRRRALMLPAVL QAPGNHQHPHRITNFF IDNILRPEFGRRKDAGTCCAGAGGGGRGGGAGGEGGASG AEGGGGAGGSEQLLGSGSREPRQNPPCAPGAG GPLPAAGSDSPGDGEGGSKTL SLHGGAKKGGDPGGPLDGLKARGLGGGDLSSVSSDSDSSQAGANLGAQP MLWP AWVYCTRYSDRPSSGPRSRKPKKKNPKNKEDKRPRTAFTAEQLQRLKA EFQTNRYL TEQRRQSLAQE

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

GENE INFORMATION

Gene Name	EN2 engrailed homeobox 2 [Homo sapiens (human)]
Official Symbol	EN2
Synonyms	AUTS1, AUTS10; engrailed-2; engrailed homeobox 2; engrailed homolog 2
Gene ID	2020
mRNA Refseq	NM_001427.4

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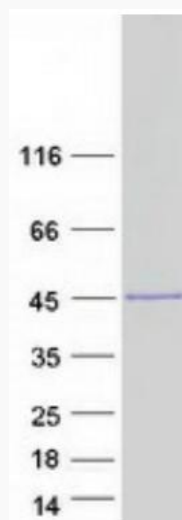
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Protein Refseq [NP_001418.2](#)

MIM [131310](#)

UniProt ID [P19622](#)



Coomassie blue staining of purified EN2 protein.

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