

Recombinant Human EN2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EN2-518H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EN2 MS Standard C13 and N15-labeled recombinant protein (NP_001418) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Homeobox-containing genes are thought to have a role in controlling development. In <i>Drosophila</i> , 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.
Molecular Mass	34 kDa
AA Sequence	MEENDPKPGEAAA AVEGQRQPESSPGGGSGGGGGSSPGEADTGRRRALMLPAVL QAPGNHQHPHRITNFFIDNILRPEFGRRKDAGTCCAGAGGGGRGGGAGGEGGASGA EGGGGAGGSEQLLGSGSREPRQNPPCAPGAGGPLPAAGSDSPGDGEGGSKTSL HGGAKKGGDPGGPLDGSLKARGLGGGDLSVSSDSDSSQAGANLGAQPMLWPAW VYCTRYSDRPSSGPRSRKPKKKNPKNKEDKRPRTAFTAEQLQRLKAEFQTNRYLTEQ RRQSLAQELSLNESQIKIWFQNKRAKIKKATGNKNTLAVHLMAQGLYNHSTTAKEGK

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SDSETRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

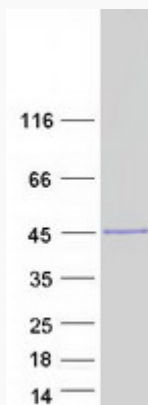
GENE INFORMATION

Gene Name	EN2 engrailed homeobox 2 [Homo sapiens (human)]
Official Symbol	EN2
Synonyms	EN2; engrailed homeobox 2; homeobox protein engrailed-2; hu-En-2; engrailed-2; engrailed homolog 2; homeobox protein en-2;
Gene ID	2020
mRNA Refseq	NM_001427
Protein Refseq	NP_001418
MIM	131310
UniProt ID	P19622

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SDS-PAGE

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