

Recombinant Full Length Human EN1 Protein, GST-tagged

Cat. No. EN1-4285HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EN1 full-length ORF (AAI11841.1, 1 a.a. - 392 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	392 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	69.52 kDa
AA Sequence	MEEQQPEPKSQRDSALGAAAAATPGGLSLSLSPGASGSSGSGSDGDSVPVSPQPA PPSPPAAPCLPPLAHHPHLPPHPPPPPPQHLLAAPAHQPQPAAQLHRTTNFFIDNLR PDFGCKKEQPPPQLLVAAAARGGAGGGGRVERDRGQTAAGRDPVHPLGTRAPGA ASLLCAPDANCGPPDGSQPAAAGAGASKAGNPAAAAAAAAAAVAAAAAAAAAKPS DTGGGGSGGGAGSPGAQGTKYPEHGNPAILLMGSANGGPVVKTDSSQQPLVWPAW

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VYCTRYSDRPSSGPRTKLLKKKKNEKEDKRPRTAFTAEQLQRLKAEFQANRYITEQ
RRQTLAQELSLNESQIKIWFQNKRAKIKKATGIKNGLALHLMAQGLYNHSTTTVQDK
DESE

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

EN1 engrailed homeobox 1 [Homo sapiens]

Official Symbol

EN1

Synonyms

EN1; engrailed homeobox 1; homeobox protein engrailed-1; hu-En-1; engrailed homolog 1; homeobox protein en-1;

Gene ID

2019

mRNA Refseq

NM_001426

Protein Refseq

NP_001417

MIM

131290

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UniProt ID

Q05925

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