Recombinant Human Homeobox protein engrailed-2 (EN2)

Product Code	CSB-BP007660HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P19622
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MEENDPKPGE AAAAVEGQRQ PESSPGGGSG GGGGSSPGEA DTGRRRALML PAVLQAPGNH QHPHRITNFF IDNILRPEFG RRKDAGTCCA GAGGGRGGGA GGEGGASGAE GGGGAGGSEQ LLGSGSREPR QNPPCAPGAG GPLPAAGSDS PGDGEGGSKT LSLHGGAKKG GDPGGPLDGS LKARGLGGGD LSVSSDSDSS QAGANLGAQP MLWPAWVYCT RYSDRPSSGP RSRKPKKKNP NKEDKRPRTA FTAEQLQRLK AEFQTNRYLT EQRRQSLAQE LSLNESQIKI WFQNKRAKIK KATGNKNTLA VHLMAQGLYN HSTTAKEGKS DSE
Source	Baculovirus
Target Names	EN2
Protein Names	Recommended name: Homeobox protein engrailed-2 Short name= Homeobox protein en-2 Short name= Hu-En-2
Expression Region	1-333
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.
Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.