



# Recombinant Human Neurosecretory protein VGF (VGF)

<b>Product Code</b>	CSB-EP025847HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O15240
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p> APPGRPEA QPPPLSSEHK EPVAGDAVPG PKDGSAPEVR GARNSEPQDE  GELFQGVDP ALAAVLLQAL DRPASPPAPS GSQQGPEEEA AEALLTETVR  SQTHSLPAPE SPEPAAPPRP QTPENGPEAS DPSEELEALA SLLQELRDFS  PSSAKRQQET AAAETETRTH TLTRVNLESP GPERVWRASW GEFQARVPER  APLPPPAPSQ FQARMPDSGP LPETHKFGEG VSSPKTHLGE ALAPLSKAYQ  GVAAPFPKAR RPESALLGGS EAGERLLQQG LAQVEAGRQ AEATRQAAAQ  EERLADLASD LLLQYLLQGG ARQRGLGGRG LQEAEEERES AREEEAEQE  RRGGEERVGE EDEEAEEAEA EAEERARARQ NALLFAEEED GEAGAEDKRS  QEETPGHRRK EAEGTEEGGE EEDDEEMDPQ TIDSLIELST KLHLPADDVV  SIIEEVEEKR KRKKNAPPEP VPPRAAPAP THVRSPQPPP PAPAPARDEL  PDWNEVLPPW DREEDEVYPP GPYHPFPNYI RPRTLQPPSA LRRRHYYHAL  PPSRHYPGRE AQARRAQEEA EAEERLQEQ EELENYIEHV LLRRP </p>
<b>Source</b>	E.coli
<b>Target Names</b>	VGF
<b>Protein Names</b>	Recommended name: Neurosecretory protein VGF Cleaved into the following 2 chains: 1. Neuroendocrine regulatory peptide-1 Short name= 2. NERP-1 3. Neuroendocrine regulatory peptide-2 Short name= 4. NERP-2
<b>Expression Region</b>	23-615
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene is specifically expressed in a subpopulation of neuroendocrine cells, and is upregulated by nerve growth factor. The structural organization of this gene is similar to that of the rat gene, and both the translated and the untranslated regions show a high degree of sequence similarity to the rat gene. The encoded secretory protein also shares similarities with the secretogranin/chromogranin family, however, its exact function is not known.
<b>Reconstitution</b>	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.