



Recombinant Human Neurosecretory protein VGF (VGF)

Product Code	CSB-BP025847HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O15240
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	<p>APPGRPEA QPPPLSSEHK EPVAGDAVPG PKDGSAPEVR GARNSEPQDE GELFQGVDPRL 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 SIIIEVEEKR KRKKNAPPEP VPPRAAPAP THVRSPQPPP PAPAPARDEL PDWNEVLPPW DREEDEVYPP GPYHPFPNYI RPRTLQPPSA LRRRHYYHAL PPSRHYPGRE AQARRAQEEA EAEERLQEQ EELENYIEHV LLRRP</p>
Source	Baculovirus
Target Names	VGF
Protein Names	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
Expression Region	23-615
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 of Mature Protein
Target Details	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.
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.