

Full-Length

VGF (Human) Recombinant Protein (P01)

Catalog # H00007425-P01

Size 50 ug

Specification

Product Description

Human VGF full-length ORF (AAH63835.1, 1 a.a. - 615 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKALRLSASALFCLLLINGLGAAPPGRPEAQPPPLSSEHKEPVAGDAVPGPDKGSAPEVRGARN
SEPQDEGELFQGVDPRALAAVLLQALDRPASPPAPSGSQQGPEEEAAEALLTETVRSQTHSLP
APESPEPAAPPRPQTPENGPEASDPSEEEALASLLQELRDFSPSSAKRQQETAAAETETRHT
LTRVNLESPGPERVWRASWGEFQARVPERAPLPPAPSQFQARMPDSGLPETHKFGEVSS
PKTHLGEALAPLSKAYQGVAAPFPKARRPESALLGGSEAGERLLQQGLAQVEAGRRQAEATRQ
AAAEERLADLASDLLLQYLLQGGARQRLGGRGLQEAAEERESAREEEAEQERRGGEEVRG
EEDDEAAEAEAEAEAEARARNALLFAEEEDGEAGAEDKRSQEETPGHRRKEAEGTEEGGEE
EDDEEMDPQTIDSLIELSTKLHLPADDVVSIIIEVEEKRRKKNAPPEPVPPRAAPATHVRSPQ
PPPPAPAPARDELPDWNEVLPPWDREEDVYPPGPYHPFPNYRPTLQPPSALRRRHYYHALP
PSRHYPGREAQARRAQEEAEAEERRLQEQEELNIEHVLLRRP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

93.7

Interspecies Antigen Sequence

Mouse (84); Rat (85)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Storage Buffer

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

Storage Instruction

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

Note

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

Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — VGF

Entrez GeneID [7425](#)

GeneBank Accession# [BC063835.1](#)

Protein Accession# [AAH63835.1](#)

Gene Name VGF

Gene Alias -

Gene Description VGF nerve growth factor inducible

Omim ID [602186](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations neuro-endocrine specific protein VGF|neurosecretory protein VGF

Disease

- [Alzheimer disease](#)
- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Memory](#)

- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Social Perception](#)