

# Recombinant Human VGF Protein, MYC/DDK-tagged, C13 and N15-labeled

**Cat. No.** VGF-019H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

VGF MS Standard C13 and N15-labeled recombinant protein (NP\_003369) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

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.

### Molecular Mass

67.26 kDa

### AA Sequence

MKALRLSASALFCLLLINGLGAAPPGRPEAQPPPLSSEHKEPVAGDAVPGPKDGSAP  
 EVRGARNSEPQDEGELFQGVDPRALAAVLLQALDRPASPPAPSGSQQGPEEEAAE  
 ALLTETVRSQTHSLPAPESPEPAAPPRPQTPENGPEASDPSEELEALASLLQELRDF  
 SPSSAKRQQETA AAETETRTHLTRVNLESPGPERVWRASWGEFQARVPERAPLP  
 PPAPSQFQARMPDSGPLPETHKFGEGVSSPKTHLGEALAPLSKAYQGVAAPFPKAR  
 RPESALLGGSEAGERLLQQGLAQVEAGRRQAEATRQAAAQEERLADLASDLLLQYL  
 LQGGARQRGLGGRGLQEAAEERESAREEEEEAEQERRGGEERVGEEDEEAAEAEA

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EAEERARQNALLFAEEEDGEAGAEDKRSQEETPGHRRKEAEGTEEGGEEEDDE  
 EMDPQTIDSLIELSTKLHLPADDVVSIIIEVEEKRRKKNAPPEPVPPPRAAPATHV  
 RSPQPPPPAPAPARDELDPWNEVLPPWDREEDEVYPPGPYHPFPNYIRPRTLQPP  
 SALRRRHYYHALPPSRHYPGREAAQARRAQEEAEAEERRLQEQEELENYIEHVLLRR  
 PSGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** VGF VGF nerve growth factor inducible [ Homo sapiens (human) ]

**Official Symbol** VGF

**Synonyms** VGF; VGF nerve growth factor inducible; SCG7; SgVII; neurosecretory protein VGF; neuro-endocrine specific protein VGF

**Gene ID** 7425

**mRNA Refseq** NM\_003378

**Protein Refseq** NP\_003369

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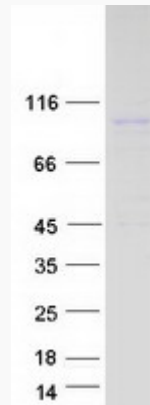
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**MIM** 602186

**UniProt ID** O15240

**SDS-PAGE**



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