

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	MKALRLSASALFCLLLINGLGAAPPGRPEAQPPPLSSEHKEPVAGDAVPGPKGDSAP EVRGARNSEPQDEGELFQGVDPRALAAVLLQALDRPASPPAPSGSQQGPEEEAAE ALLTETVRSQTHSLPAPESPEPAAPPRPQTPENGPEASDPSEELEALASLLQELRDF SPSSAKRQQETAAAETETRHTLTRVNLESPGPERVWRASWGEFQARVPERAPLP PPAPSQFQARMPSGGLPETHKFGEGVSSPKTHLGEALAPLSKAYQGVAAPFPKAR RPESALLGGSEAGERLLQQGLAQVEAGRRQAEATRQAAAQEERLADLASDLLLQYL LQGGARQRGLGGRGLQEAAEERESAREEEEEAEQERRGGEERVGEEDEEAAEAEA

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EAEAAERARQNALLFAEEEDGEAGAEDKRSQEETPGHRRKEAEGTEEGGEEEDDE
 EMDPQTIDSLIELSTKLHLPADDVVSIIIEVEEKRKRRKNAPPEPVPPPRAAPATHV
 RSPQPPPPAPAPARDELDPWNEVLPPWDREEDDEVYPPGPYHPFPNYIRPRTLQPP
 SALRRRHYYHALPPSRHYPGREAAQARRAQEEAAEERRLQEQEELNYIEHVLLRR
 PSGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

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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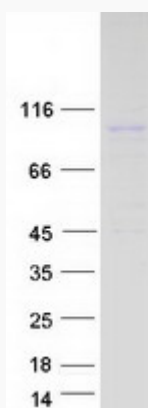
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MIM 602186

UniProt ID O15240

SDS-PAGE



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