# Recombinant Full Length Human VGF Protein, C-Flag-tagged

**Cat. No.** VGF-126HFL **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Full Length Human VGF Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells. |
| **Species** | Human |
| **Source** | Mammalian Cells |
| **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. |
| **Form** | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol. |
| **Molecular Mass** | 65 kDa |
| **AA Sequence** | MKALRLSASALFCLLLINGLGAAPPGRPEAQPPPLSSEHKEPVAGDAVPGPKDGSAP EVRGARNSEPQDE GELFQGVDPRALAAVLLQALDRPASPPAPSGSQQGPEEEAAE ALLTETVRSQTHSLPAPESPEPAAPPRP QTPENGPEASDPSEELEALASLLQELRDF SPSSAKRQQETAAAETETRTHTLTRVNLESPGPERVWRASW GEFQARVPERAPLP PPAPSQFQARMPDSGPLPETHKFGEGVSSPKTHLGEALAPLSKAYQGVAAPFPKAR RPESALLGGSEAGERLLQQGLAQVEAGRRQAEATRQAAAQEERLADLASDLLLQYL LQGGARQRGLGGRG LQEAAEERESAREEEEAEQERRGGEERVGEEDEEAAEAEA |

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| | EAEEAERARQNALLFAEEEDGEAGAEDKRS QEETPGHRRKEAEGTEEGGEEEDD EEMDPQTIDSLIELSTKLHLPADDVVSIIEEVEEKRKRKKNAPPEP VPPPRAAPAPTH VRSPQPPPPAPAPARDELPDWNEVLPPWDREEDEVYPPGPYHPFPNYIRPRTLQP PSA LRRRHYHHALPPSRHYPGREAQARRAQEEAEAEERRLQEQEELENYIEHVLLRRPS GPTRTRRLEQKLISEEDLAANDILDYKDDDDKV |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining. |
| **Stability** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **Storage** | Store at -80 centigrade. |
| **Concentration** | >50 ug/mL as determined by microplate BCA method. |
| **Preparation** | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| **Protein Families** | Secreted Protein |
| **Full Length** | Full L. |

## GENE INFORMATION

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| **Gene Name** | VGF VGF nerve growth factor inducible [ Homo sapiens (human) ] |
| **Official Symbol** | VGF |
| **Synonyms** | SCG7; SgVII |

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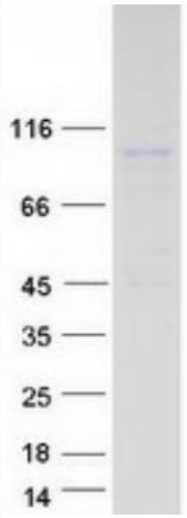
| **Gene ID** | 7425 |
| **mRNA Refseq** | NM_003378.4 |
| **Protein Refseq** | NP_003369.2 |
| **MIM** | 602186 |
| **UniProt ID** | O15240 |
| |   Coomassie blue staining of purified VGF protein. |

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