

Recombinant Human VGF protein, His & GST-tagged

Cat. No. VGF-1558H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VGF aa. (Asp330~Pro449 (Accession # O15240)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asp330~Pro449
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 40.4kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method).
Purity	>95%
Characteristic	The isoelectric point is 4.7.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
GENE INFORMATION	
Gene Name	VEGF VEGF nerve growth factor inducible [Homo sapiens (human)]
Official Symbol	VEGF
Synonyms	SCG7; SgVII; neuro-endocrine specific protein VEGF; neurosecretory protein VEGF
Gene ID	7425
mRNA Refseq	NM_003378.3
Protein Refseq	NP_003369.2
UniProt ID	O15240

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