Eukaryotic VGF Nerve Growth Factor Inducible (VGF)(N-6His,C-Fc)

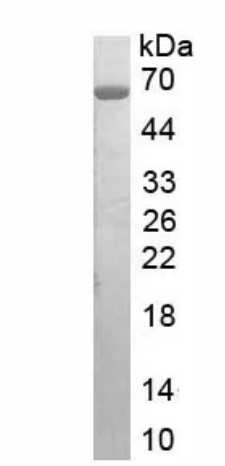
Catalog#:PHH13410

概述（Summary）

别称（Alternative Names）	NERP1; NERP2; Neuro-Endocrine Specific Protein VGF; Neuroendocrine Regulatory Peptide
纯度（Purity）	Greater than 90% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	<1 EU/μg as determined by LAL test.
蛋白构建（Construction）	6His-【Asp330-Pro449】-Fc
Accession #	O15240
表达宿主（Host）	293F
种属（Species）	Homo sapiens (Human)
预测分子量（Predicted MW）	44.3 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
背景介绍（References）	Secreted polyprotein that is packaged and proteolytically processed by prohormone convertases PCSK1 and PCSK2 in a cell-type-specific manner. VGF and peptides derived from its processing play many roles in neurogenesis and neuroplasticity associated with learning, memory, depression and chronic pain.; Plays a role in the control of body fluid homeostasis by regulating vasopressin release. Suppresses presynaptic glutamatergic neurons connected to vasopressin neurons.; Plays a role in the control of body fluid homeostasis by regulating vasopressin release. Activates GABAergic interneurons which are inhibitory

neurons of the nervous system and thereby suppresses presynaptic glutamatergic neurons. Stimulates also feeding behavior in an orexin-dependent manner in the hypothalamus. Functions as a positive regulator for the activation of orexin neurons resulting in elevated gastric acid secretion and gastric emptying.; Secreted multifunctional neuropeptide that binds to different cell receptors and thereby plays multiple physiological roles including modulation of energy expenditure, pain, response to stress, gastric regulation, glucose homeostasis as well as lipolysis. Activates the G-protein-coupled receptor C3AR1 via a folding-upon-binding mechanism leading to enhanced lipolysis in adipocytes. Interacts with C1QBP receptor in macrophages and microglia causing increased levels of intracellular calcium and hypersensitivity.; Plays a role in the regulation of memory formation and depression-related behaviors potentially by influencing synaptic plasticity and neurogenesis. Induces acute and transient activation of the NTRK2/TRKB receptor and subsequent CREB phosphorylation. Induces also insulin secretion in insulinoma cells by increasing intracellular calcium mobilization.; Has bactericidal activity against M. luteus, and antifungal activity against P. Pastoris.

电泳图（SDS-PAGE image）



Greater than 90% as determined by reducing SDS-PAGE.

注意事项（Note）

For Research Use Only , Not for Diagnostic Use.