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Datasheet for 009-001-U74-0005

rHuman Endocrine Gland VEGF Protein

Overview

Description:	Human Endocrine Gland Vascular Endothelial Growth Factor Recombinant Protein - 009-001-U74-0005
Item No.:	009-001-U74-0005
Size:	5 µg
Applications:	SDS-PAGE
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	Endocrine Gland-derived Vascular Endothelial Growth Factor (EG-VEGF) is an angiogenic growth factor specifically expressed in the ovaries, testis, adrenal and placental tissues. The identification of tissue-selective angiogenic factors raises the possibility that other secreted molecules in this class exist. EG-VEGF expression correlates with vascularity in polycystic ovary syndrome, a leading cause of infertility. Recombinant human EG-VEGF is a non-glycosylated protein, containing 86 amino acids, with a molecular weight of 9.6 kDa.
Synonyms:	Prokineticin 1
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein
Low Endotoxin:	Yes

Target Details

Gene Name:	PROK1
Purity/Specificity:	Endocrine Gland Vascular Endothelial Growth Factor purity was determined to be greater than 97% as determined by analysis by HpLC, UV-Spectroscopy at 280nm and by reducing and non-reducing SDS-pAGE.
Relevant Links:	• UniProtKB - P58294

Application Details

Tested Applications:	SDS-PAGE
Application Note:	Endocrine Gland Vascular Endothelial Growth Factor Recombinant Protein has bene tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-Endocrine Gland Vascular Endothelial Growth Factor in immunological assays.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	Endotoxin Level: Measured by kinetic LAL analysis and is typically ≤ 1 EU/µg protein. Biologic Activity: The activity is determined by the dose-dependent proliferation of MIA PaCa-2 cells and is typically 1-4 µg/mL.

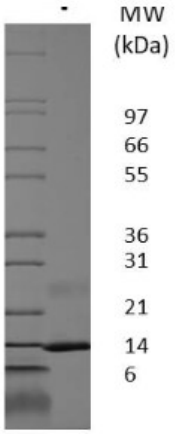
Formulation

Physical State:	Lyophilized
Buffer:	0.1% Trifluoroacetic acid
Preservative:	None
Stabilizer:	None
Reconstitution Volume:	5µl (5-50µl)
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



SDS-PAGE

SDS-PAGE of Human Endocrine Gland Vascular Endothelial Growth Factor Recombinant Protein. Lane 1: 1 µg Human EG-VEGF in reducing conditions. Molecular weight marker. Human EG-VEGF is predicted to have a MW of 9.6 kDa.

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