

VE-Statin/EGFL-7 active protein

Human VE-Statin/EGFL7

CATALOG # AAA79165	HOST E Coli	REACTIVITY Human
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PRODUCT SYNONYMS

VE-Statin/EGFL-7; Human VE-Statin/EGFL7; EGFL7; NEU1; ZNEU1; VE-STATIN; RP11-251M1.2; NOTCH4-like protein; VE-Statin/EGFL-7 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	> 98% by SDS-PAGE & HPLC analyses
Form/Format	Lyophilized
Sequence	MYRPGRRVCA VRAHGDPVSE SFVQRVYQPF LTTCDGHRAC STYRTIYRTA YRRSPGLAPA RPRYACCPGW KRTSGLPGAC GAAICQPPCR NGGSCVQPCR CRCPAGWRGD TCQSDVDECS ARRGGCPQRC VNTAGSYWCQ CWEGHSLSAD GTLCVPKGGP PRVAPNPTGV DSAMKEEVQR LQSRVDLLEE KLQLVLAPLH SLASQALEHG LPDPGSLLVH SFQQLGRIDS LSEQISFLEE QLGSCSCKD S
Sequence Length	251
Endotoxin Level	<0.1ng/ug of protein (1EU/ug)
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8 degree C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein(e.g. 0.1% BSA/HSA) and store in aliquots at -20 degree C to -80 degree C.
Biological Activity	Data not available.
Preparation and Storage	The lyophilized protein is stable at room temperature for 1 month and at 4 degree C for 6 months. Reconstituted working aliquots are stable for 1 week at 2 degree C to 8 degree C and for 3 months at -20 degree C to -80 degree C. Avoid repeated freeze and thaw cycles!

ADDITIONAL INFORMATION

Related Product Information for VE-Statin/EGFL-7 active protein	EGF-L7 (Epidermal Growth Factor Like Protein 7, Multiple EGF Like Domains Protein 7, VE Statin) is a multi-domain protein containing two EGF like domains and one EMI domain. It is expressed almost exclusively in endothelial cells and functions to promote normal development of the vascular system, particularly tubulogenesis. EGF-L7 is capable of antagonistic binding to Notch receptors resulting in the inhibition of Notch signaling in HUVEC and neural stem cells. In research models inducing hypoxia and subsequent reoxygenation, (H/R), EGF-L7 can inhibit ICAM-1 expression and enhance the inhibition of NF-kappaB activation. Additionally, EGF-L7 can chemoattract endothelial cells and bind to the extracellular matrix. The overexpression of EGF-L7 is observed in various cancers, and is generally correlated with increased metastasis and a poor prognosis. Recombinant human EGF-L7 is a 27.4 kDa protein containing 251 amino acid residues.
Product Categories/Family for VE-Statin/EGFL-7 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	7705889
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NCBI GeneID	51162
NCBI Accession #	NP_057299.1
NCBI GenBank Nucleotide #	NM_016215.4
UniProt Accession #	Q9UHF1; Q5M7Y5; Q5VUD5; Q96EG0; B3KRP0
Molecular Weight	27.4kDa
NCBI Official Full Name	epidermal growth factor-like protein 7
NCBI Official Synonym Full Names	EGF-like-domain, multiple 7
NCBI Official Symbol	EGFL7
NCBI Official Synonym Symbols	NEU1; ZNEU1; VE-STATIN; RP11-251M1.2
NCBI Protein Information	epidermal growth factor-like protein 7; EGF-like protein 7; NOTCH4-like protein; vascular endothelial statin; multiple EGF-like domains protein 7; multiple epidermal growth factor-like domains protein 7
UniProt Protein Name	Epidermal growth factor-like protein 7
UniProt Gene Name	EGFL7
UniProt Synonym Gene Names	MEGF7; EGF-like protein 7; Multiple EGF-like domains protein 7; VE-statin
UniProt Entry Name	EGFL7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-human-active-protein/ve-statin-egfl-7/79165>