Recombinant Human PCSK9 Protein (His Tag)

Catalog Number:PKSH032944

Note: Centrifuge before opening to ensure complete recovery of vial contents.

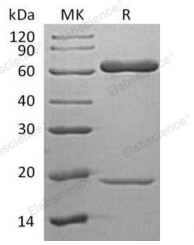
Description

Synonyms	Proprotein Convertase Subtilisin/Kexin Type 9;Neural Apoptosis-Regulated Convertase 1;NARC-1;Proprotein Convertase 9;PC9;Subtilisin/Kexin-Like Protease PC9;PCSK9;NARC1
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln31-Gln692(Val474Ile,Gly670Glu)
Accession	Q8NBP7
Calculated Molecular Weight	13.77&58.2 kDa
Observed molecular weight	19&60 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM NaH_2PO_4, 150mM NaCl, 0.1M Arginine, 0.1M Glu, 0.01% Tween20, pH 7.4.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Human Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) is a secretory subtilase belonging to the proteinase K subfamily. PCSK9 is synthesized as a soluble zymogen that undergoes autocatalytic intramolecular processing in the ER ; the pro domain and mature chain secrete together through noncovalent interactions. PCSK9 binds with low-density lipoprotein receptor (LDLR) and plays a major regulatory role in cholesterol homeostasis. Inhibition of PCSK9 function by preventing PCSK9/LDLR interaction is currently being explored as a means of lowering cholesterol levels. PCSK9 also binds to apolipoprotein receptor 2 (ApoER2); and play a role in the neural development.

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