9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

PCSK9 Human

Proprotein Convertase Subtilisin/Kexin Type 9 Human Recombinant
RCP1602

Product Overview

Name	PCSK9 Human

Description

Proprotein Convertase Subtilisin/Kexin Type 9 Human Recombinant

Accession (Primary)	Q8NBP7

Synonyms

Proprotein Convertase Subtilisin/Kexin Type 9, NARC1, Subtilisin/Kexin-Like Protease PC9, HCHOLA3, LDLCQ1, NARC-1, FH3, PC9, Convertase Subtilisin/Kexin Type 9 Preproprotein, Hypercholesterolemia, Autosomal Dominant 3, Neural Apoptosis Regulated Convertase 1, Neural Apoptosis-Regulated Convertase 1, Proprotein Convertase 9, EC 3.4.21.111, EC 3.4.21, EC 3.4.21, PCSK9.

Introduction

Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) belongs to the subtilisin-like proprotein convertase family, which includes proteases that process protein and peptide precursors trafficking via regulated or constitutive branches of the secretory pathway. PCSK9 protein goes through an autocatalytic processing event with its prosegment in the ER and is constitutively secreted as an inactive protease into the extracellular matrix and trans-Golgi network. PCSK9 is expressed in the liver, intestine and kidney tissues and escorts specific receptors for lysosomal degradation. PCSK has a role in cholesterol and fatty acid metabolism. PCSK9 gene mutations are linked with autosomal dominant familial hypercholesterolemia.

Source

HEK 293.

Physical Appearance

Filtered colorless solution.

Formulation

PCSK9 filtered (0.4 µm) solution at a concentration of 0.25-0.7mg/ml in phosphate buffered saline and 20 % (w/v) glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

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Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

QEDEDGDYEE LVLALRSEED GLAEAPEHGT TATFHRCAKD PWRLPGTYVV VLKEETHLSQ SERTARRLQA QAARRGYLTK ILHVFHGLLP GFLVKMSGDL LELALKLPHV DYIEEDSSVF AQSIPWNLER ITPPRYRADE YQPPDGGSLV EVYLLDTSIQ SDHREIEGRV MVTDFENVPE EDGTRFHRQA SKCDSHGTHL AGVVSGRDAG VAKGASMRSL RVLNCQGKGT VSGTLIGLEF IRKSQLVQPV GPLVVLLPLA GGYSRVLNAA CQRLARAGVV LVTAAGNFRD DACLYSPASA PEVITVGATN AQDQPVTLGT LGTNFGRCVD LFAPGEDIIG ASSDCSTCFV SQSGTSQAAA HVAGIAAMML SAEPELTLAE LRQRLIHFSA KDVINEAWFP EDQRVLTPNL VAALPPSTHG AGWQLFCRTV WSAHSGPTRM ATAVARCAPD EELLSCSSFS RSGKRRGERM EAQGGKLVCR AHNAFGGEGV YAIARCCLLP QANCSVHTAP PAEASMGTRV HCHQQGHVLT GCSSHWEVED LGTHKPPVLR PRGQPNQCVG HREASIHASC CHAPGLECKV KEHGIPAPQE QVTVACEEGW TLTGCSALPG TSHVLGAYAV DNTCVVRSRD VSTTGSTSEG AVTAVAICCR SRHLAQASQE LQ HHHHHHHH HH .

Precautions

PCSK9 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8NBP7)