

P94189Hu02
Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9)
Organism: Homo sapiens (Human)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
 NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

5th Edition (Revised in January, 2013)

[DESCRIPTION]

Protein Names: Proprotein Convertase Subtilisin/Kexin Type 9

Synonyms: PCSK9, NARC1

Species: Human

Size: 100µg

Source: *Escherichia coli*-derived

Subcellular Location: Cytoplasm. Secreted. Endosome. Lysosome. Cell surface. Endoplasmic reticulum. Golgi apparatus.

[PROPERTIES]

Residues: Trp156~Trp461 (Accession # Q8NBP7), with N-terminal His-Tag.

Grade & Purity: >95%, 36kDa as determined by SDS-PAGE reducing conditions.

Formulation: Supplied as lyophilized form in PBS, pH 7.4, containing 5% sucrose.

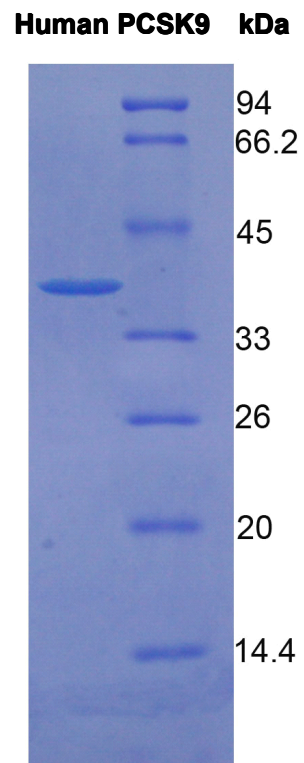
Endotoxin Level: <1.0 EU per 1µg (determined by the LAL method).

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

Predicted Molecular Mass: 34.2kDa

Predicted isoelectric point: 5.9



15% SDS-PAGE

[PREPARATION]

Reconstitute in sterile PBS, pH7.2-pH7.4.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The target protein is fused with N-terminal His-Tag, its sequence is listed below.

MGHHHHHSGSEF-WNLER ITPPRYRADE YQPPDGGSLV EVYLLDTSIQ SDHREIEGRV
MVTDFENVPE EDGTRFHRQA SKCDSHGTHL AGVVSGRDAG VAKGASMRL
RVLNCQKGKT VSGTLIGLEF IRKSQLVQPV GPLVVLLPLA GGYSRVLNAA CQRLARAGVV
LVTAAGNFRD DACLYSPASA PEVITVGATN AQDQPVTLGT LGTNFGRCVD LFAPGEDIIIG
ASSDCSTCFV SQSGTSQAAA HVAGIAAMML SAPELTLAE LRQRLIHFS A KDVINEAWFP
EDQRLTPNL VAALPPSTHG AGWQLFCRTV W