

## Product datasheet for **TP700053**

### PCSK9 (NM\_174936) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of secreted form of human proprotein convertase subtilisin/kexin type 9 (PCSK9)
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC220000, encoding the secreted form of human PCSK9
Tag:	C-DDK/His
Predicted MW:	71
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_777596</a>
Locus ID:	255738
UniProt ID:	<a href="#">Q8NBP7</a>
RefSeq Size:	3636
Cytogenetics:	1p32.3
RefSeq ORF:	2076
Synonyms:	FH3; FHCL3; HCHOLA3; LDLCQ1; NARC-1; NARC1; PC9



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**Summary:**

This gene encodes a member of the subtilisin-like proprotein convertase family, which includes proteases that process protein and peptide precursors trafficking through regulated or constitutive branches of the secretory pathway. The encoded protein undergoes 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. It is expressed in liver, intestine and kidney tissues and escorts specific receptors for lysosomal degradation. It plays a role in cholesterol and fatty acid metabolism. Mutations in this gene have been associated with autosomal dominant familial hypercholesterolemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]

**Protein Families:**

Secreted Protein

**Product images:**