

PCSK6 Protein, Human (His)

Cat. No.:	HY-P700617
Synonyms:	proprotein convertase subtilisin/kexin type 6; PACE4, paired basic amino acid cleaving system 4; SPC4; subtilisin like proprotein convertase 4; subtilisin like protease; subtilisin/kexin like protease PACE4;
Species:	Human
Source:	E. coli
Accession:	P29122 (R860-G969)
Gene ID:	5046
Molecular Weight:	19.4 kDa

PROPERTIES

AA Sequence	<pre> R E E C I H C A K N F H F H D W K C V P A C G E G F Y P E E M P G L P H K V C R R C D E N C L S C A G S S R N C S R C K T G F T Q L G T S C I T N H T C S N A D E T F C E M V K S N R L C E R K L F I Q F C C R T C L L A G </pre>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	PCSK6 protein, a serine endoprotease, plays a pivotal role in the processing of diverse proproteins by cleaving at sites characterized by paired basic amino acids, specifically recognizing the RXXX[KR]R consensus motif. Its functional involvement is likely associated with the constitutive secretory pathway, exhibiting a distinctive and limited distribution within both neuroendocrine and non-neuroendocrine tissues. The enzyme's ability to precisely cleave substrates at specific motifs highlights its significance in the regulated processing of proproteins in various cellular contexts.
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Caution: Product has not been fully validated for medical applications. For research use only.

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