



Human PCSK2 Recombinant Protein (aa 1-619)[GST] (DAGF-022)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Proprotein Convertase 2 (PCSK2) is a subtilisin-like serine peptidase that processes proteins into biologically active products in the secretory pathway. Like other furin/kexin family members, PCSK2 cleaves its substrates primarily after sites of paired basic amino acid residues (1). Autoactivation of PCSK2 occurs in a post-Golgi compartment of the secretory system (2). Interaction with the secretory protein 7B2 is required for proper activation of PCSK2 (3). The N-terminal domain of 7B2 stabilizes active PCSK2, and a C-terminal fragment of 7B2 can inhibit PCSK2 activity (4). rhPCSK2 was coexpressed with 7B2 to facilitate activation of the enzyme. PCSK2 is a major proteolytic processing enzyme of the regulated secretory pathway of the neuroendocrine system, where it generates a number of hormones and neuropeptides (5). Products of PCSK2 processing include enkephalins, insulin, somatostatin, dynorphin, and LHRH.
Purity	>90% , based on SDS PAGE
Conjugate	GST
Applications	AP, Array, ELISA, WB-Re
Sequence Similarities	MVFASAERPVFTNHFLVELHKGGEDKARQVAAEHGFGVRKLPFAEGLYHFYHNGLAKAKR RRSLHHKQQLERDPRVKMALQQEGFDRKKRGYRDINEIDINMNDPLFTKQWYLINTGQAD GTPGLDLNVAEAWELGYTGKGVITIGIMDDGIDYLPDLASNYNAEASYDFSSNDPYPYPR YTDDWFNSHGTRCAGEVSAAANNNICGVGVAYNSKVAGIRMLDQQFMTDIEASSISHMP QLIDIYSASWGPTDNGKTVDPRELTLQAMADGVNKGRRGGKGSIVVWASGDGGSYDDCNC DGYASSMWTISINSAINDGRTALYDESCSSTLASTFSNGRKRNPAGVATTDLYGNCTLR HSGTSAAPEAAAGVFALALEANLGLTWRDMQHLTVLTSKRNLHDEVHQWRRNGVGLFEN HLFGYGVLDAGAMVKMAKDWKTVPERFHCVGGSVQDPEKIPSTGELVLTLTDDACEGKEN FVRYLEHVQAVITVNATRRGDLNINMTSPMGTKSILLSRRPRDDDSKVGFDKWPFMTHHT WGEDARGTWTLELGFVGSAPQKGVLEWTLMLHGTQSAPYIDQVVRDYQSKLAMSKKEEL EEELDEAVERSLSILNKN

Molecular Weight	93.83 kDa
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements.
Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0
Preservative	None
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Keywords	Proprotein Convertase 2; PCSK2
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