



# Recombinant Human PCSK2 (aa 110-638)[His] (DAGF-023)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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. Autoactivation of PCSK2 occurs in a post-Golgi compartment of the secretory system. Interaction with the secretory protein 7B2 is required for proper activation of PCSK2. The N-terminal domain of 7B2 stabilizes active PCSK2, and a C-terminal fragment of 7B2 can inhibit PCSK2 activity. 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. Products of PCSK2 processing include enkephalins, insulin, somatostatin, dynorphin, and LHRH.
<b>Purity</b>	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Conjugate</b>	His
<b>Molecular Weight</b>	59 kDa
<b>Format</b>	Liquid
<b>Concentration</b>	Batch dependent - please inquire should you have specific requirements.
<b>Size</b>	10 µg
<b>Buffer</b>	50 mM NaOAc, 100 mM NaCl, 1 mM CaCl <sub>2</sub> , 0.5% (w/v) Brij-35, pH 5.0
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -70 °C as supplied. 3 months, -70 °C under sterile conditions after opening.

# BACKGROUND

**Keywords**

Proprotein Convertase 2; PCSK2

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