

Recombinant Human GGCX, GST-tagged

Cat. No. GGCX-13240H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GGCX protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	383-758a.a.
Description	Guanylate-binding proteins, such as GBP4, are induced by interferon and hydrolyze GTP to both GDP and GMP (Vestal, 2005 [PubMed 16108726]).
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	GGCX gamma-glutamyl carboxylase [Homo sapiens]
Official Symbol	GGCX
Synonyms	GGCX; gamma-glutamyl carboxylase; vitamin K-dependent gamma-carboxylase;

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	vitamin K dependent gamma carboxylase; VKCFD1; peptidyl-glutamate 4-carboxylase; FLJ26629;
Gene ID	2677
mRNA Refseq	NM_000821
Protein Refseq	NP_000812
MIM	137167
UniProt ID	P38435
Chromosome Location	2p12
Pathway	Gamma-carboxylation of protein precursors, organism-specific biosystem; Gamma-carboxylation, transport, and amino-terminal cleavage of proteins, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; PTM: gamma carboxylation, hypusine formation and arylsulfatase activation, organism-specific biosystem; Post-translational protein modification, organism-specific biosystem;
Function	gamma-glutamyl carboxylase activity; lyase activity;