

Recombinant Human GG CX, GST-tagged

Cat. No. GG CX-13240H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant Human GG CX 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

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| Gene Name | GG CX gamma-glutamyl carboxylase [Homo sapiens] |
| Official Symbol | GG CX |
| Synonyms | GG CX; 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; |

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