

Recombinant Human GGT1 protein, T7/His-tagged

Cat. No. GGT1-55H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD224 cDNA (28-569aa, derived from BC025927) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	28-569 a.a.
Form	0.4 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGQQMGRGRHHHHHHGNLYFQGGESASKEPDNHVYTRAAVAADAKQCSKI GRDALRDGGSADVDAIAALLC VGLMNAHSMGIGGGLFLTIYNSTTRKAEVINAREVA PRLAFATMFNSSEQSQKGLSVAVPGEIRGYELAHQRHG RLPWARLFQPSIQLAR QGFPVGKGLAAALENKRTVIEQQPVLCEVFCRDRKVLREGERLTLPQLADTYETLAI EG AQAFYNGSLTAQIVKDIQAAGGIVTAEDLNNYRAELIEHPLNISLGDVVLYMPSAP LSGPVLALILNILKGYNFS RESVESPEQKGLTYHRIVEAFRFAYAKRTLLGDPKFVDV TEVVRNMTSEFFAAQLRAQISDDTTHPISYYKPEFY TPDDGGTAHLSVVAEDGSAV SATSTINLYFGSKVRSPVSGILFNNEMDDFSSPSITNEFGVPPSPANFIQPGKQP LSS MCPTIMVGQDQGVRMVGAAGGTQITTATALAIYNLWFGYDVKRAVEEPRLHNQLL PNVTTVERNIDQAVT AALETRHHHTQIASTFIAVVQAIVRTAGGWAAASDSRKGGE AGY
Purity	>90% by SDS-PAGE

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Applications

1. May be used f in vitro human glutathione metabolism mediated apoptosis regulation study with this protein as coating or matrix protein.2. May be used for protein-protein interaction assay development.3. Potential biomarker protein for various cancer, such as endometrial cancer,4. As antigen for specific antibody production.

Storage

Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

GENE INFORMATION

Gene Name [GGT1 gamma-glutamyltransferase 1 \[Homo sapiens \]](#)

Official Symbol [GGT1](#)

Synonyms [GGT1](#); [gamma-glutamyltransferase 1](#); [GGT](#); [gamma-glutamyltranspeptidase 1](#); [CD224](#); [D22S672](#); [D22S732](#); [glutamyl transpeptidase](#); [glutathione hydrolase 1](#); [gamma-glutamyl transpeptidase](#); [GTG](#); [GGT 1](#); [MGC96892](#); [MGC96904](#); [MGC96963](#);

Gene ID [2678](#)

mRNA Refseq [NM_001032364](#)

Protein Refseq [NP_001027536](#)

MIM [612346](#)

UniProt ID [P19440](#)

Chromosome Location [22q11.23](#)

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Pathway

Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Biological oxidations, organism-specific biosystem; Cyanoamino acid metabolism, organism-specific biosystem; Cyanoamino acid metabolism, conserved biosystem; Eicosanoid Synthesis, organism-specific biosystem; Glutathione conjugation, organism-specific biosystem;

Function

gamma-glutamyltransferase activity; gamma-glutamyltransferase activity; hydrolase activity; protein binding; transferase activity, transferring acyl groups;

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