

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	MASMTGGQQMGRGHHHHHHGNLYFQGGESASKEPDNHVYTRAAVAADAKQCSKI GRDALRDGGSADVDAIAALLC VGLMNAHSMGIGGGLFTIYNSTTRKAEVINAREVA PRLAFATMFNSSEQSQKGGLSVAVPGEIRGYELAHQRHG RLPWARLFQPSIQLAR QGFPVGKGLAAALENKRTVIEQQPVLCEVFCRDRKVLREGERLTLPQLADTYETLAI EG AQAFYNGSLTAQIVKDIQAAGGIVTAEDLNNYRAELIEHPLNISLGDVVLYMPSAP LSGPVLALILNILKGYNFS RESVESPEQKGLTYHRIVEAFRFAYAKRTL LGDPKFVDV TEVVRNMTSEFFAAQLRAQISDDTTHPISYKPEFY TPDDGGTAHLSVAEDGSAV SATSTINLYFGSKVRSPVSGILFNNEMDDFSSPSITNEFGVPPSPANFIQPGKQP LSS MCPTIMVGQDQGQVRMVGAAGGTQITTATALAIYNLWFGYDVKRAVEEPRLHNQLL 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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