Recombinant Human GPAA1, GST-tagged

Cat. No. GPAA1-13405H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GPAA1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	62-321a.a.
Description	This gene encodes a member of the guanine nucleotide-binding, or G protein family. G proteins are heterotrimers consisting of alpha, beta and gamma subunits. The encoded protein is a member of the alpha family of G proteins, more specifically the alpha q subfamily of G proteins. The encoded protein may play a role in pertussis-toxin resistant activation of phospholipase C-beta and its downstream effectors.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	GPAA1 glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast) [Homo sapiens]

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Official Symbol	GPAA1
Synonyms	GPAA1; glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast); anchor attachment protein 1 (Gaa1p, yeast) homolog , GPAA1P anchor attachment protein 1 homolog (yeast); glycosylphosphatidylinositol anchor attachment 1 protein; GAA1; GPI transamidase subunit; hGAA1; GAA1 protein homolog; GPI anchor attachment protein 1; GPAA1P anchor attachment protein 1 homolog; glycophosphatidylinositol anchor attachment 1; anchor attachment protein 1 (Gaa1p, yeast) homolog;
Gene ID	8733
mRNA Refseq	NM_003801
Protein Refseq	NP_003792
MIM	603048
UniProt ID	O43292
Chromosome Location	8q24.3
Pathway	Attachment of GPI anchor to uPAR, organism-specific biosystem; Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, organism-specific biosystem; Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Post-translational modification: synthesis of GPI-anchored proteins, organism-specific biosystem; Post-translational protein modification, organism-specific biosystem;

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Function	contributes_to GPI anchor binding; contributes_to GPI-anchor transamidase activity; protein binding; tubulin binding;

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