

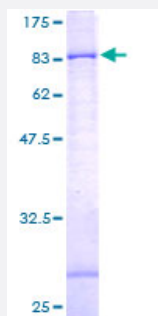
Full-Length

GPAA1 (Human) Recombinant Protein (P01)

Catalog # H00008733-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GPAA1 full-length ORF (AAH04129, 1 a.a. - 621 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGLLSDPVRRRALARLVRLNAPLCVLSYVAGIAWFLALVFPPLTQRTYMSNAMGSTMVEEQFA
GGDRARAFARDFAAHRKKSGALPVAWLERTMQSVGLEVYTQSFSRKLPFPDETHERYMVSGTN
VYGILRAPRAASTESLVLTPCGSDSTNSQAVGLLLALAAHFRGQYWAKDIVFLVTEHDLLGTEA
WLEAYHDVNVTGMQSSPLQGRAGAIQAAVALELSSDVVTS�DVAVEGLNGQLPNLDLLNLFQTF
CQKGGLLCTLQGKLQPEDWTS�DGPLQGLQTLMLVLRQASGRPHGSHGLFLRYRVEALTLRGIN
SFRQYKYDLVAVGKALEGMFRKLNHLLERLHQSFLLYLLPGLSRFVSIGLYMPAVGFLLVLGLKA
LELWMQLHEAGMGLEPPGAPGPSVPLPPSQGVGLASLVAPLLISQAMGLALYVLPVLGQHVAT
QHFPVAEAEAVVLTLLAYAAGLALPHNTHRVVSTQAPDRGWMALKLVALMALQLGCIALTNFSL
GFLATTMVPTAALAKPHGPRTLYAALLVLTSPAATLLGSLFLWRELQEAPLSLAEGWQLFLAALA
QGVLEHHTYGALLFPLLSLGLYPCWLLFWNVLFWK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

94.05

Interspecies Antigen Sequence

Mouse (91); Rat (91)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GPAA1

Entrez GeneID	8733
GeneBank Accession#	BC004129
Protein Accession#	AAH04129
Gene Name	GPAA1
Gene Alias	GAA1, hGAA1
Gene Description	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)
Omim ID	603048
Gene Ontology	Hyperlink

Gene Summary	Posttranslational glycosylphosphatidylinositol (GPI) anchor attachment serves as a general mechanism for linking proteins to the cell surface membrane. The protein encoded by this gene presumably functions in GPI anchoring at the GPI transfer step. The mRNA transcript is ubiquitously expressed in both fetal and adult tissues. The anchor attachment protein 1 contains an N-terminal signal sequence, 1 cAMP- and cGMP-dependent protein kinase phosphorylation site, 1 leucine zipper pattern, 2 potential N-glycosylation sites, and 8 putative transmembrane domains. [provided by RefSeq]
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Other Designations

GPAA1P anchor attachment protein 1 homolog|GPI transamidase subunit|anchor attachment protein 1 (Gaa1p, yeast) homolog|glycophosphatidylinositol anchor attachment 1|glycosylphosphatidylinositol anchor attachment protein 1

Pathway

- [Glycosylphosphatidylinositol\(GPI\)-anchor biosynthesis](#)
- [Metabolic pathways](#)