

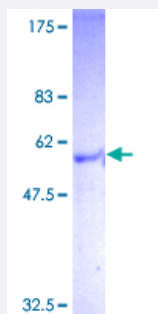
Full-Length

GPBAR1 (Human) Recombinant Protein (P01)

Catalog # H00151306-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GPBAR1 full-length ORF (AAH33625, 1 a.a. - 330 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTPNSTGEVPSPIPKGALGLSLALASLIITANLLLALGIAWDRRLRSPAGCFFLSLLLAGLLTGLAL
PTLPGLWNQSRRGYWSCLLVYLAPNFSFLSLLANLLLVHGERYMAVLRPLQPPGSIRLALLLTWA
GPLLFASLPALGWNHWTPGANCCSSQAIFPAPYLYLEVYGLLLPAVGAAAFLSVRVLATAHRQLQDI
CRLERAVCRDEPSALARALTWRQARAQAGAMLLFGLCWGPYVATLLLSVLAYEQRPPPLGPGTLL
SLLSLGSASAAAVPVAMGLGDQRYTAPWRAAAQRCLQGLWGRASRDSPGPSIAYHPSSQSSVD
LDLN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

62.04

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 — GPBAR1

Entrez GeneID [151306](#)

GeneBank Accession# [BC033625](#)

Protein Accession# [AAH33625](#)

Gene Name GPBAR1

Gene Alias BG37, GPCR, GPCR19, GPR131, M-BAR, MGC40597, TGR5

Gene Description G protein-coupled bile acid receptor 1

Omim ID [610147](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the G protein-coupled receptor (GPCR) superfamily. This enzyme functions as a cell surface receptor for bile acids. Treatment of cells expressing this GPCR with bile acids induces the production of intracellular cAMP, activation of a MAP kinase signaling pathway, and internalization of the receptor. The receptor is implicated in the suppression of macrophage functions and regulation of energy homeostasis by bile acids. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq]

Other Designations G-protein coupled bile acid receptor BG37|membrane bile acid receptor|membrane-type receptor for bile acids

Disease

- [Cholangitis](#)
- [Colitis](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)