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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

GPBAR1 (Human) Recombinant Protein (P01)

MGC40597, TGR5

Catalog Number: H00151306-P01**Regulation Status:** For research use only (RUO)**Product Description:** Human GPBAR1 full-length ORF (AAH33625, 1 a.a. - 330 a.a.) recombinant protein with GST-tag at N-terminal.**Sequence:**

MTPNSTGEVPSPIPKGALGLSLALASLIITANLLLALGIA
WDRRLRSPAGCFFLSLLLAGLLTGLALPTLPGLWNQ
SRRGYWSCLLVYLAPNFSFLLANLLLHGERYMAVL
RPLQPPGSIRLALLLTWAGPLLFAASLPALGWNHWTPG
ANCSSQAIFPAPYLYLEVYGLLLPAVGAAAFLSVRVLAT
AHRQLQDICRLERAVCRDEPSALARALTWRQARAQA
GAMLLFGLCWGPYVATLLLSVLAYEQRPLPGPTLLSL
LSLGSASAAVPMGLGDQRYTAPWRAAAQRCLQG
LWGRASRDSPGPSIAYHPSSQSSVDLDLN

Host: Wheat Germ (in vitro)**Theoretical MW (kDa):** 62.04**Applications:** AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)**Protocols:** See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols**Preparation Method:** [in vitro wheat germ expression system](#)**Purification:** Glutathione Sepharose 4 Fast Flow**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.**Entrez GeneID:** 151306**Gene Symbol:** GPBAR1**Gene Alias:** BG37, GPCR, GPCR19, GPR131, M-BAR,**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]