

Recombinant Full Length Human GPBAR1 Protein, GST-tagged

Cat. No. GPBAR1-658HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GPBAR1(1 a.a. - 330 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	330 amino acids
Description	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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	62.04 kDa
AA Sequence	MTPNSTGEVP SPIPKGALGL SLALASLIIT ANLLLALGIA WDRRLRSPPA GCFFLSLLLA GLLTGLALPT LPGLWNQSRR GYWSCLLVYL APNFSFLSLL ANLLLVHGER YMAVLRPLQP PGSIRLALLL TWAGPLLFAS LPALGWNHWT

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PGANCSSQAI FPAPYLYLEV YGLLLPAVGA AAFLSVRVLA TAHRQLQDIC
 RLERAVCRDE PSALARALTW RQARAQAGAM LLFGLCWGPY VATLLLSVLA
 YEQRPLPGP TLLSLLSLGS ASAAAVPVAM GLGDQRYTAP WRAAAQRCLQ
 GLWGRASRDS PGPSIAYHPS SQSSVDLDLN

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

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [GPBAR1 G protein-coupled bile acid receptor 1 \[Homo sapiens \]](#)

Official Symbol [GPBAR1](#)

Synonyms [BG37](#); [TGR5](#); [M-BAR](#); [GPCR19](#); [GPR131](#)

Gene ID [151306](#)

mRNA Refseq [NM_170699.2](#)

Protein Refseq [NP_733800.1](#)

MIM [610147](#)

UniProt ID [Q8TDU6](#)

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