PRODUCT INFORMATION

Target	GPBAR1
Synonyms	BG37; TGR5; M-BAR; GPCR19; GPR131
Description	Recombinant human GPBAR1 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q8TDU6
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	GPBAR1(Met1-Gly19) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 28.0 kDa after removal of the signal peptide. The apparent molecular mass of GPBAR1-hFc is approximately 25-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Background	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, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

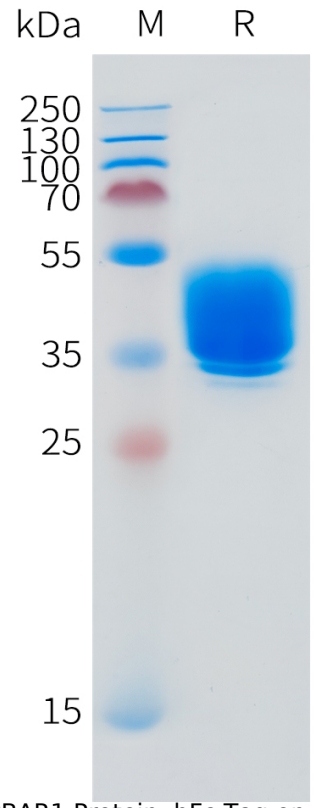

Figure 1. Human GPBAR1 Protein, hFc Tag on SDS-PAGE under reducing condition.