



Recombinant Human GPBAR1 Protein Product Manual

1. Product Basic Information

Product No.: REP07015

Protein Name: Membrane Bile Acid Receptor (GPBAR1)

Aliases: BG37; TGR5; M-BAR; GPCR19; GPR131; membrane bile acid receptor; G-protein coupled receptor GPCR19; membrane-type receptor for bile acids

UniProt ID: Q8TDU6

UniProt Link: <https://www.uniprot.org/uniprotkb/Q8TDU6/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (283-330aa)

Molecular Weight: 20.6 kDa

Protein Tag: N-terminal 6xHis-KSI-tagged

2. Amino Acid Sequence (283-330aa)

GDQRYTAPWRAAAQRCLQGLWGRASRDSPGPSIAYHPSSQSSVDLDLN

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human GPBAR1 partial protein (283-330aa) expressed in E.coli. The protein is with 6xHis-KSI tag at the N-terminus, which facilitates protein purification, detection and identification. GPBAR1, also known as BG37 or TGR5 or M-BAR, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.