Recombinant Human GSTM3 Protein Product Manual

1. Product Basic Information

Product No.: REP07051

Protein Name: Hgstm3-Brain Gst (GSTM3)

Aliases: GST5; GSTB; GTM3; GSTM3-GSTM3TV2; hGSTM3-brain GST; glutathione S-alkyltransferase M3; glutathione S-aralkyltransferase M3; S-(hydroxyalkyl)glutathione lyase M3; glutathione S-transferase M3 (brain); ...

UniProt ID: P21266

UniProt Link: https://www.uniprot.org/uniprotkb/P21266/entry

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-225aa)

Molecular Weight: 30.6 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-225aa)

MSCESSMVLGYWDIRGLAHAIRLLLEFTDTSYEEKRYTCGEAPDYDRSQWLDVKFK
LDLDFPNLPYLLDGKNKITQSNAILRYIARKHNMCGETEEEKIRVDIIENQVMDFRTQL
IRLCYSSDHEKLKPQYLEELPGQLKQFSMFLGKFSWFAGEKLTFVDFLTYDILDQNR
IFDPKCLDEFPNLKAFMCRFEALEKIAAYLQSDQFCKMPINNKMAQWGNKPVC

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 GSTM3 full length protein (1-225aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. GSTM3, also known as GST5 or GSTB or GTM3, 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.