



Recombinant Human GNB5 Protein Product Manual

1. Product Basic Information

Product No.: REP07004

Protein Name: GNB5

Aliases: GB5; HG2E; IDDCA; LADCI; LDMLS1; LDMLS2; gbeta5

UniProt ID: O14775

UniProt Link: <https://www.uniprot.org/uniprotkb/O14775/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Isoform 2 (1-353aa)

Molecular Weight: 54.8kDa

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

2. Amino Acid Sequence (1-353aa)

MATEGLHENETLASLKSEAESLKGGLEERAKLHDVELHQAERVEALGQFVMKTR
RTLKGHGKVLKCMDWCKDKRRIVSSSQDGKIVVWDSFTTNKEHAVTMPCTWVMA
CAYAPSGCAIACGGLDNKCSVYPLTFDKNENMAAKKKSAMHTNYLSACSFTNSD
MQILTASGDGTCALWDVESGQLLQSFHGHGADVLCLDLAPSETGNTFVSGGCDKK
AMVWDMRSGQCQAFETHESDINSVRYYPGDAFASGSDDATCRLYDLRADREV
AIYSKESIIFGASSVDFSLSGRLLFAGYNDYTINVWDVLKGSRVLSILFGHENRVSTLR
VSPDGTAFCSGSWDHTLRVWA

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



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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 GNB5 full length of isoform 2 protein (1-353aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. GNB5, also known as GB5 or HG2E or IDDCA, 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.