

Product datasheet

Recombinant Human GNB1 protein (denatured)
 ab180353

1 Image

Description

Product name	Recombinant Human GNB1 protein (denatured)
Purity	> 85 % SDS-PAGE.
Expression system	Escherichia coli
Accession	P62873
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<pre> MGSSHHHHHH SSGLVPRGSH MGSMSELDQL RQEAEQLKNQ IRDARKACAD ATLSQITNNI DPVGRIQMRT RRTLRGHLAK IYAMHWGTD S RLLVSASQDG KLIWDSYTT NKVHAIPLRS SWVMT CAYAP SGNVACGGL DNICSYNLK TREGNVRVSR ELAGHTGYLS CCRFLDDNQI VTSSGDTTCA LWDIETGQQT TTFTGHTGDV MSLSLAPDTR L FVSGACDAS AKLWDVREGM CRQTFTGHES DINAICFFPN GNAFATGSDD ATCRLFDLRA DQELMTYSHD NIICGITSVS FSKSGRLLLA GYDDFNCNVW DALKADRAGV LAGHDNRVSC LGVTDDGMAV ATGSWDSFLK IW N </pre>
Predicted molecular weight	40 kDa including tags
Amino acids	1 to 340
Tags	His tag N-Terminus
Additional sequence information	NP_002065
Description	Recombinant Human GNB1 protein

Specifications

Our [Abpromise guarantee](#) covers the use of **ab180353** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.32% Tris HCl, 2.4% Urea, 10% Glycerol (glycerin, glycerine)

General Info

Function Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction.

Sequence similarities Belongs to the WD repeat G protein beta family.
Contains 7 WD repeats.

Post-translational modifications Phosphorylation at His-266 by NDKB contributes to G protein activation by increasing the high energetic phosphate transfer onto GDP.

Images



15% SDS-PAGE analysis of ab180353 (3 µg)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you

- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors