

## Product datasheet

# Recombinant Human GNB1 protein (denatured) ab180353

[1 Image](#)

### Description

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<b>Product name</b>	Recombinant Human GNB1 protein (denatured)
<b>Purity</b>	> 85 % SDS-PAGE.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P62873</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMSELDQL RQEAQLKNQ IRDARKACAD ATLSQITNNI DPVGRIQMRT RRTLRLGHLAK IYAMHWGTDS RLLVSASQDG KLIWDSYTT NKVHAIPLRS SWVMTCAAYAP SGNVACGGL DNICSYNLK TREGNVRVSR ELAGHTGYLS CCRFLDDNQI VTSSGD TTCA LWDIETGQQT TTFTGHTGDV MSLSLAPDTR LRVSGACDAS AKLWDVREGM CRQFTFGHES DINAICFFPN GNAFATGSDD ATCRLFDLRA DQELMTYSHD NIICGITSVS FSKSGRLLLA GYDDFNCNVW DALKADRAGV LAGHDNRVSC LGVTDDGMAV ATGSWDSFLK IWN
<b>Predicted molecular weight</b>	40 kDa including tags
<b>Amino acids</b>	1 to 340
<b>Tags</b>	His tag N-Terminus
<b>Additional sequence information</b>	NP_002065
<b>Description</b>	Recombinant Human GNB1 protein

### Specifications

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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"

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