

## Product datasheet

# Recombinant Human GNB1 protein ab132818

1 Image

### Description

<b>Product name</b>	Recombinant Human GNB1 protein	
<b>Expression system</b>	Wheat germ	
<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>	MSELQQLRQEAEQLKNQIRDARKACADATLSQITNNIDPV GRIQMRTRRT LRGHLAKIYAMHWGTDSRLLVSASQDGKLIWDSYTTNKVH AIPLRSSWV MTCAYAPSGNYVACGGLDNICSIYNLKTREGNVRVSRELA GHTGYLSCCR FLDDNQMTSSGDTTCALWDIETGQQTTTFTGHTGDVMSL SLAPDTRLFV SGACDASAKLWDVREGMCRQFTFGHESDINAICFFPNGN AFATGSDDATC RLFDLRADQELMTYSHDNICGITSVSFSKSGRLLLAGYDD FNCNVWDAL KADRAGVLAGHDNRVSLGLVTDGMAVATGSWDSFLKI WN	
<b>Predicted molecular weight</b>	63 kDa including tags	
<b>Amino acids</b>	1 to 340	

### Specifications

Our **Abpromise guarantee** covers the use of **ab132818** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE
	ELISA
	Western blot
<b>Form</b>	Liquid

## Additional notes

## Preparation and Storage

### Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

## 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

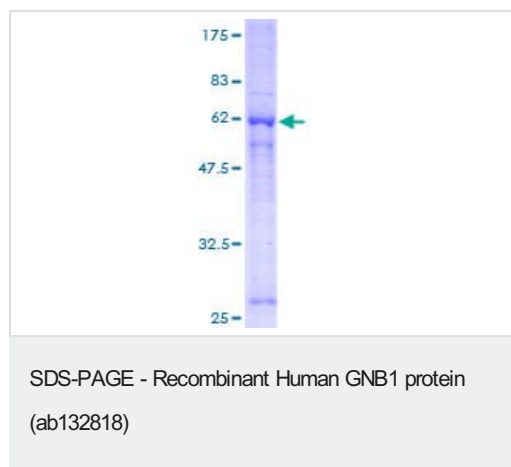
Belongs to the WD repeat G protein beta family.

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



12.5% SDS-PAGE analysis of ab132818 stained with Coomassie Blue.

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

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