**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for AR51485PU-N

## Transducin beta chain 1 / GNB1 (1-340, His-tag) Human Protein

### Product data:

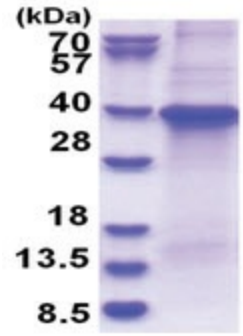
| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Transducin beta chain 1 / GNB1 (1-340, His-tag) human recombinant protein, 0.25 mg |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | MGSSHHHHHH SSGLVPRGSH MGSMSELDQL RQEAEQLKNQ IRDARKACAD ATLSQITNNI DPVGRIQMRT RRTLRGHLAK IYAMHWGTDS RLLVSASQDG KLIIWDSYTT NKVHAIPLRS SWVMTCAYAP SGNYVACGGL DNICSIYNLK TREGNVRVSR ELAGHTGYLS CCRFLDDNQI VTSSGDTTCA LWDIETGQQT TTFTGHTGDV MSLSLAPDTR LFVSGACDAS AKLWDVREGM CRQTFTGHES DINAICFFPN GNAFATGSDD ATCRLFDLRA DQELMTYSHD NIICGITSVS FSKSGRLLLA GYDDFNCNVW DALKADRAGV LAGHDNRVSC LGVTDDGMAV ATGSWDSFLK IWN |
| **Tag:** | His-tag |
| **Predicted MW:** | 39.8 kDa |
| **Concentration:** | lot specific |
| **Purity:** | >85% by SDS - PAGE |
| **Buffer:** | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol |
| **Preparation:** | Liquid purified protein |
| **Protein Description:** | Recombinant human GNB1 protein, fused to His-tag at N-terminus, was expressed in E.coli. |
| **Storage:** | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **RefSeq:** | NP_001269467 |
| **Locus ID:** | 2782 |
| **UniProt ID:** | P62873, B3KVK2 |
| **Cytogenetics:** | 1p36.33 |
| **Synonyms:** | MDS; MRD42 |

View online »

**Summary:** Heterotrimeric guanine nucleotide-binding proteins (G proteins), which integrate signals between receptors and effector proteins, are composed of an alpha, a beta, and a gamma subunit. These subunits are encoded by families of related genes. This gene encodes a beta subunit. Beta subunits are important regulators of alpha subunits, as well as of certain signal transduction receptors and effectors. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

**Protein Pathways:** Chemokine signaling pathway, Taste transduction

## Product images:




15% SDS-PAGE (3ug)