

Product datasheet for **AR51485PU-S**

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, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMSELDQL RQEAQLKNQ IRDARKACAD ATLSQITNNI DPVGRIQMRT RRTLRGHLAK IYAMHWGTDS RLLVSASQDG KLIWDSYTT NKVHAIPLRS SWVMTCAYAP SGNVYACGGL DNICSIYNLK TREGNVRVSR ELAGHTGYLS CCRFLDDNQI VTSSGDTTCA LWDIETGQQT TTFTGHTGDV MSLSLAPDTR LRVSGACDAS AKLWDVREGM CRQFTFGHES 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 State: Liquid purified protein 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



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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: