

# Recombinant human BLOC1S2 protein

Catalog Number: ATGP1528

## PRODUCT INFORMATION

**Expression system**

E.coli

**Domain**

1-142aa

**UniProt No.**

Q6QNY1

**NCBI Accession No.**

NP\_776170

**Alternative Names**

biogenesis of lysosomal organelles complex-1subunit 2, biogenesis of lysosomal organelles complex-1,subunit 2, BLOS2, RP11-316M21.4

## PRODUCT SPECIFICATION

**Molecular Weight**

18.5 kDa (166aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

**Concentration**

1mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 50mM NaCl

**Purity**

> 85% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**Description**

BLOC1S2 (Biogenesis of lysosome-related organelles complex 1 subunit 2) belongs to the BLOC1S2 family. BLOC-1 or biogenesis of lysosome-related organelles complex 1 is a ubiquitously expressed multisubunit protein complex. BLOC-1 is required for normal biogenesis of specialized organelles of the endosomal-lysosomal system, such as melanosomes and platelet dense granules. This protein plays a role in cell proliferation. Recombinant human BLOC1S2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

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conventional chromatography techniques.

### Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHEMAAAAE GVLATRSDEP ARDDAAVETA EEAKEPAEAD ITELCRDMFS KMATYLTGEL  
TATSEDYKLL ENMNKLTSLK YLEMKDIAIN ISRNKDLNQ KYAGLQPYLD QINVIEEQVA ALEQAAYKLD AYSKKLEAKY  
KKLEKR

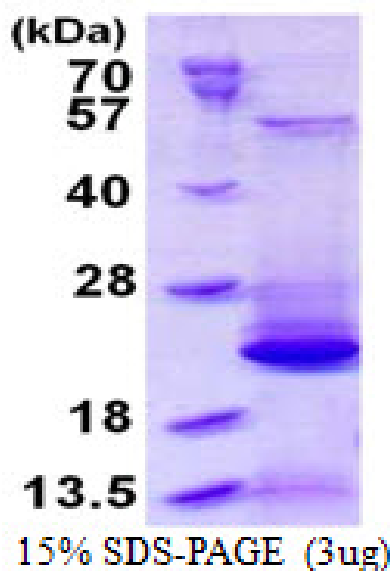
### General References

Starcevic M., et al. (2004) J. Biol. Chem. 279:28393-28401

Wang Z., et al. (2004) J. Mol. Biol. 343:71-82

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.