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

conventional chromatography techniques.

Amino acid Sequence

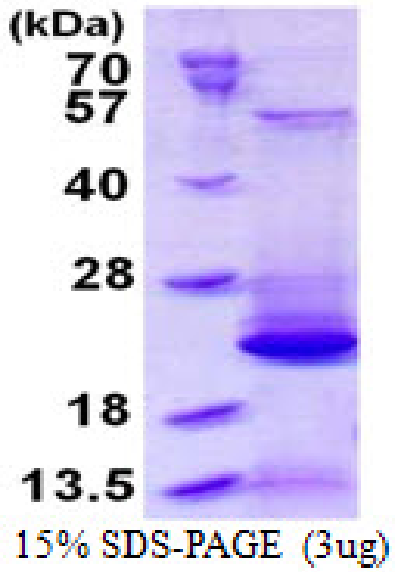
MGSSHHHHHH SSGLVPRGSH MGSHMAAAAE GVLATRSDEP ARDDAAVETA EEAKEPAEAD ITELCRDMFS KMATYLTGEL TATSEDYKLL ENMNKLTSLK YLEMKDIAIN ISRNLKDLNQ KYAGLQPYLD QINVIEEQVA ALEQAAYKLD AYSKKLEAKY KKLEKR

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.