

Recombinant human SH3BGR protein

Catalog Number: ATGP1640

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-114aa

UniProt No.

O75368

NCBI Accession No.

NP_003013

Alternative Names

SH3 domain-binding glutamic acid-rich-like protein, SH3BGR

PRODUCT SPECIFICATION

Molecular Weight

15.3 kDa (138aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.15M NaCl

Purity

> 95% 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

SH3BGR, also known as SH3 domain-binding glutamic acid-rich-like protein, is a member of the human SH3BGR family. SH3BGR gene located to chromosome Xq13.3 encodes for a small protein of 114 amino acids, which is apparently widely expressed in many tissues including liver and blood. SH3BGR protein features a prolinerich sequence (PLPPQIF), which contains both the SH3 binding (PXXP) 3 and the Homer EVH1 binding (PPXXF) 4 motif. This proline-rich region is highly conserved in human SH3BGR family and was expected to be functionally important. Recombinant human SH3BGR protein, fused to His-tag at N-terminus, was expressed in E. coli and

Recombinant human SH3BGRL protein

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purified by using conventional chromatography.

Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSVMVIRVY IASSSGSTAI KKKQQDVLGF LEANKIGFEE KDIAANEENR KWMRENVPEN
SRPATGYPLP PQIFNESQYR GDYDAFFEAR ENNAVYAFLG LTAPPGSKEA EVQAKQQA

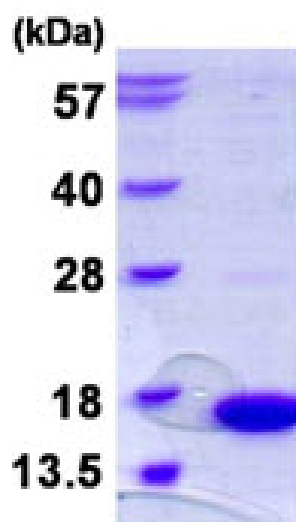
General References

Egeo A., et al. (1998) Biochem. Biophys. Res. Commun. 247:302-306

Yin L., et al. (2006) Proteins. 61:213-216

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)