

# Recombinant human SH3BGRL3 protein

Catalog Number: ATGP1715

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-93aa

### UniProt No.

Q9H299

### NCBI Accession No.

NP\_112576

### Alternative Names

SH3 domain-binding glutamic acid-rich-like protein 3, SH3 domain-binding glutamic acid-rich-like protein 3, SH3BP-1, TIP-B1

## PRODUCT SPECIFICATION

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### Molecular Weight

12.8 kDa (116aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

### 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

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### Description

SH3 domain-binding glutamic acid-rich-like protein 3, also known as SH3BGRL3, is located to chromosome 1p34.3-35 encodes for a small protein of 93 amino acids. SH3BGRL3 is the new member of thioredoxin (TRX) super family, whose posttranslational modified form was identified as tumor necrosis factor alpha (TNF-alpha) inhibitory protein. It may function as a regulator in all-trans retinoic acid-induced pathway. Recombinant human SH3BGRL3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

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chromatography techniques.

### Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MSGLRVY STSVTGSREI KSQQSEVTRI LDGKRIQYQL VDISQDNALR  
DEMRLAGNP KATPPQIVNG DQYCGDYELF VEAVEQNTLQ EFLKLA

### General References

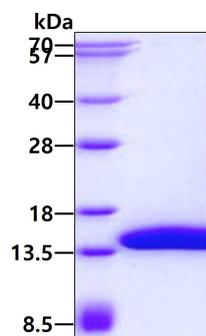
Mazzocco M., et al. (2002) Gene. 291:233-9

Xu C., et al. (2005) FEBS Lett. 579: 2788-94.

## DATA

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### SDS-PAGE



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