

Recombinant human Gastroke 1/GKN1 protein

Catalog Number: ATGP1701

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-199aa

UniProt No.

Q9NS71

NCBI Accession No.

NP_062563

Alternative Names

AMP18, BRICD1, CA11, FOV, Foveolin, Gastroke 1, Gastroke-1

PRODUCT SPECIFICATION

Molecular Weight

24.5 kDa (223aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

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

Gastroke-1, also known as GKN1, belongs to the gastroke family. It has mitogenic activity and may be involved in maintaining the integrity of the gastric mucosal epithelium. Recombinant human GKN1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGSH>MLAYSS VHCFFREDKMK FTIVFAGLLG VFLAPALANY NINVNDDNNN
AGSGQQSVSV NNEHNVANVD NNGWDSWNS IWDYGNNGFAA TRLFQKKTCI VHKMNKEVMP SIQSLDALVK

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EKKLQGGKPG GPPPKGLMYS VNPKNVDDLK KFGKNIANMC RGIPTYMAEE MQEASLFFYS GTCYTTSVLW IVDISFCGDT
VEN

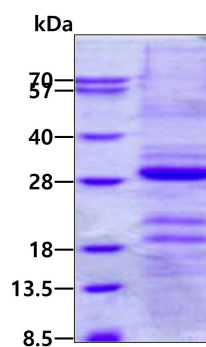
General References

Martin T.E., et al. (2003) Am. J. Physiol. 285:G332-G343

Yoshikawa Y., et al. (2000) Jpn. J. Cancer Res. 91:459-463

DATA

SDS-PAGE



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