Recombinant human Gastrokine 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, Gastrokine 1, Gastrokine-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
Gastrokine-1, also known as GKN1, belongs to the gastrokine 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 SSGLVPRGSH MGSHMLAYSS VHCFREDKMK FTIVFAGLLG VFLAPALANY NINVNDDNNN AGSGQQSVSV NNEHNVANVD NNNGWDSWNS IWDYGNGFAA TRLFQKKTCI VHKMNKEVMP SIQSLDALVK EKKLQGKGPG

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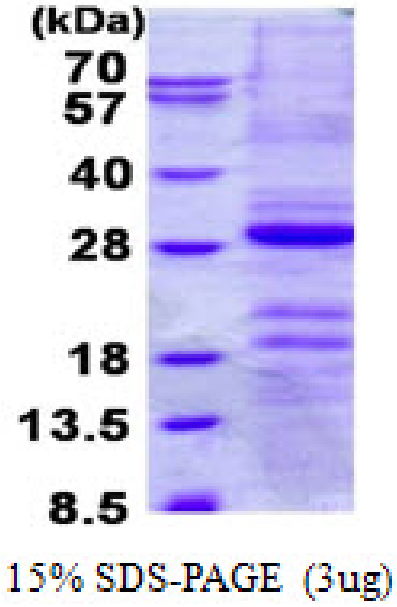
GPPPKGLMYS VNPNKVDDLS KFGKNIANMC RGIPTYMAEE MQEASLFFYS GTCYTTSVLW IVDISFCGDT VEN

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



15% SDS-PAGE (3ug)

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