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GKN1 Human

Catalog #:PRPS-1213

For research use only.

Description:GKN1 Human Recombinant produced in E. coli is a single polypeptide chain containing 223 amino acids (1-199) and having a molecular mass of 24.5 kDa.GKN1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms:BRICHOS domain containing 1, 18 kDa antrum mucosa protein, gastrokine 1, Protein CA11, AMP-18, BRICD1, foveolin, FOV.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSH MLAYSS VHCFREDKMK FTIVFAGLLG VFLAPALANY NINVNDDNNN AGSGQQSVSV NNEHNVANVD NNNGWDSWNS IWDYGNGFAA TRLFQKKTCI VHKMNKEVMP SIQSLDALVK EKKLQGKGPG GPPPKGLMYS VNPNKVDDLS KFGKNIANMC RGIPTYMAEE MQEASLFFYS GTCYTTSVLW IVDISFCGDT VEN

Purity: Greater than 85% as determined by SDS-PAGE.

Formulation:
The GKN1 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1mM DTT and 10% glycerol.

Stability:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
Gastrokine-1 (GKN1) is a member of the gastrokine family. GKN1 has mitogenic activity and is involved in preserving the integrity of the gastric mucosal epithelium. GKN1 is down-regulated in human gastric cancer tissue in comparison to normal gastric mucosa. GKN1 is expressed in the stomach; however no expression is detected in cancer tissue or gastric cancer cell lines.

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