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## Product Data Sheet

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Product Name: GKN1 Human  
 Cat. No.: GP23556  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BRICHOS domain containing 1; 18 kDa antrum mucosa protein; gastrokine 1; Protein CA11; AMP-18; BRICD1; foveolin; FOV.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGS MLAYSS VHC FREDKMK FTIVFAGLLG VFLAPALANY NINVNDDNNN AGSGQQSVSV NNEHNVANVD NNNGWDSWNS IWDYGNNGFAA TRLFQKKTCI VHKMNKEVMP SIQSLDALVK EKKLQKGKPG GPPPKGLMYS VNPKNVDDLS KFGKNIANMC RGIPTYMAEE MQEASLFFYS GTCYTTSVLW IVDISFCGDT VEN.		
Formulation	The GKN1 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1mM DTT and 10% glycerol.		

### 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.

### 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.

### Background

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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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