
Product Data Sheet

Product Name: GKN2 Human
 Cat. No.: GP23557
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Gastrokine-2; Blottin; Down-regulated in gastric cancer; Trefoil factor interactions(z) 1; GKN2; BLOT; GDDR; TFIZ1; PRO813; BRICD1B; VLT1465.		
Amino Acid Sequence	MKHHHHHHASYEVFNIISPS NNGGNVQETV TIDNEKNTAI INIHAGSCSS TTIFDYKHGY IASRVLSRRA CFILKMDHQN IPPLNNLQWY IYEKQALDNM FSSKYTWVKY NPLESNIKDV DWFLLGSPIE KLCKHIPLYK GEVVENTHNV GAGGCAKAGL LGILGISICA DIHV.		
Solubility	It is recommended to add 0.1M Acetate buffer pH-4 to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely at 37°C . For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10µg/ml. In higher concentrations the solubility of this antigen is limited. GKN2 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	GKN2 filtered (0.4 µm) and lyophilized from 0.5mg/ml in 0.05M Acetate buffer pH-4.0.		

Introduction

Gastrokine-2 (GKN2) is expressed in the gastric mucosa. GKN2 forms a heterodimer with TFF1- disulfide linked. GKN2 interacts with TFF2.

Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C .

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

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Background

Gastrokine 2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (a.a 21-184) containing 174 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 19.6kDa (calculated).

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