

SPINT2, 28-197aa, Human, His tag, E.coli

Cat.NO.: TP04017

3th Edition

Synonyms:Kunitz-type protease inhibitor 2, DIAR3, FLJ45571, HAI-2, HAI2, Kop, PB

Description:SPINT2 is a transmembrane protein with two extracellular Kunitz domains that inhibits a variety of serine proteases. The protein inhibits HGF activator which prevents the formation of active hepatocyte growth factor. This protein is a putative tumor suppressor, and mutations in this protein result in congenital sodium diarrhea. Recombinant human SPINT2 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea 10% glycerol

Molecular Weight:21.8 kDa (195aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMADRERSIHDFCLVSKVVGRCRASMPRWWYNVTDGSCQLFVYGGCDGN
SNNYLTKEECLKKCATVTENATGDLATSRNAADSSVPSAPRRQDSEDHSSDMFNYYEYCTANAVTGPCRASFP
WYFDVERNSCNNFIYGGCRGNKNSYRSEEACMLRCFRQQENPPLPLGSK

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.