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32-2040: GUCA2B Recombinant Protein

Alternative Name : Guanylate cyclase activator 2B,UGN,GCAP-II,GUCA2B.

Description

Source : Escherichia Coli. Prouroguanylin Human Recombinant is 10 kDa protein containing 88 amino acid residues of the human prouroguanylin and 2 additional amino acid residues.GPVYIQYQGF RVQLESMKKL SDLEAQWAPS PRLQAQSLLP AVCHHPALPQ DLQPVCASQE ASSIFKTLRT IANDDCELCV NVACTGCLThe Prouroguanylin is purified by proprietary chromatographic techniques. Prouroguanylin is a 112-amino-acid prohormone precursor of uroguanylin- mature biologically active 16-amino-acid peptide cleaved from its C-terminus. Guanylin binds to receptor-guanylate cyclases (CG-C) resulting in increased intracellular cGMP levels leading to CFTCR (Cystic Fibrosis Transmembrane Conductance Regulator) activation and subsequent rise in fluid and electrolyte secretion into the lumen.Prouroguanyline knock-out mice showed impaired renal excretion of external NaCl leading to elevated blood pressure independent of the level of diatary salt intake.Prouroguanylin is the predominant circulating molecular form found in circulation and in biological fluids.

Product Info

Amount :	10 µg
Purification :	Greater than 95.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Sterile filtered and lyophilized from 0.5 mg/ml in 50mM Phosphate buffer pH-7.4.
Storage condition :	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated thaw-freeze cycles and store at -80°C. Reconstituted protein can be stored at 4°C for a limited period of time.
Amino Acid :	GPVYIQYQGF RVQLESMKKL SDLEAQWAPS PRLQAQSLLP AVCHHPALPQ DLQPVCASQE ASSIFKTLRT IANDDCELCV NVACTGCL.

Application Note

Add 0.2ml of deionized H2O and let the lyophilized pellet dissolve completely.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.