

## Prouroguanylin Human Recombinant

<b>Item Number</b>	rAP-2543
<b>Synonyms</b>	Guanylate cyclase activator 2B, UGN, GCAP-II, GUCA2B.
<b>Description</b>	Prouroguanylin Human Recombinant is 10 kDa protein containing 88 amino acid residues of the human prouroguanylin and 2 additional amino acid residues. The Prouroguanylin is purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	Q16661
<b>Amino Acid Sequence</b>	GPVYIQYQGF RVQLESMKKL SDLEAQWAPS PRLQAQSLLP AVCHHPALPQ DLQPVCASQE AS-SIFKTLRT IANDDCELCV NVACTGCL.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
<b>Formulation and Purity</b>	Sterile filtered and lyophilized from 0.5mg/ml in 50mM Phosphate buffer pH-7.4. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	Add 0.2ml of deionized H2O and let the lyophilized pellet dissolve completely.
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**