

## Recombinant human Guanylate cyclase activator 2B

Catalog No: #AP73038



Package Size: #AP73038-1 20ug #AP73038-2 100ug #AP73038-3 1mg

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## Description

Product Name	Recombinant human Guanylate cyclase activator 2B
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:27-112aaSequence Info:Full Length
Other Names	Guanylate cyclase C-activating peptide II ;GCAP-IIUroguanylin ;UGN
Accession No.	Q16661
Uniprot	Q16661
GeneID	2981;
Calculated MW	11.5 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	VYIQYQGFRVQLSEMKKLSLEAQWAPSPRLQAQSLLPAVCHHPALPQDLQPVCASQEASSIFKTLRTIANDD CELCNVNACTGCL
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Endogenous activator of intestinal guanylate cyclase. It stimulates this enzyme through the same receptor binding region as the heat-stable enterotoxins. May be a potent physiological regulator of intestinal fluid and electrolyte transport. May be an autocrine,paracrine regulator of intestinal salt and water transport.

## References

Cloning and characterization of a cDNA encoding a precursor for human uroguanylin.Miyazato M., Nakazato M., Yamaguchi H., Date Y., Kojima M., Kangawa K., Matsuo H., Matsukura S.Biochem. Biophys. Res. Commun. 219:644-648(1996)Research Topic:Signal Transduction

Note: This product is for in vitro research use only