

Recombinant Mouse Guanylate cyclase activator 2B(Guca2b)

Catalog No: #AP70373

Package Size: #AP70373-1 20ug #AP70373-2 100ug #AP70373-3 1mg

Description

Product Name	Recombinant Mouse Guanylate cyclase activator 2B(Guca2b)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:22-106aaSequence Info:Full Length
Accession No.	O09051
Calculated MW	36.4 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	VYIKYHGFQVQLESVKKLNELEEKEMSNPQPRRSGLLPAVCHNPALPLDLQPVCASQEAASTFKALRTIATDE CELCINVACTGC
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

Uroguanylin and guanylin distinct but overlapping patterns of messenger RNA expression in mouse intestine.Whitaker T.L., Witte D.P., Scott M.C., Cohen M.B.Gastroenterology 113:1000-1006(1997)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.