Recombinant Mouse Glucagon receptor(Gcgr),partial

Catalog No: #AP70327

Package Size: #AP70327-1 20ug #AP70327-2 100ug #AP70327-3 1mg

Signalway Antibody
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Description

Product Name	Recombinant Mouse Glucagon receptor(Gcgr),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:27-143aaSequence Info:Extracellular Domain
Accession No.	Q61606
Calculated MW	40.8 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	AQVMDFLFEKWKLYSDQCHHNLSLLPPPTELVCNRTFDKYSCWPDTPPNTTANISCPWYLPWYHKVQHRLVF KRCGPDGQWVRGPRGQPWRNASQCQLDDEEIEVQKGVAKMYSSQQ
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

G-protein coupled receptor for glucagon that plays a central role in the regulation of blood glucose levels and glucose homeostasis. Regulates the rate of hepatic glucose production by promoting glycogen hydrolysis and gluconeogenesis. Plays an important role in mediating the responses to fasting. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Promotes activation of adenylate cyclase. Besides, plays a role in signaling via a phosphatidylinositol-calcium second messenger syst.

References

The glucagon receptor is required for the adaptive metabolic response to fasting.Longuet C., Sinclair E.M., Maida A., Baggio L.L., Maziarz M., Charron M.J., Drucker D.J.Cell Metab. 8:359-371(2008)Research Topic:Others