

Recombinant Human Regulator of G-protein signaling 10(RGS10)



Catalog No: #AP77065

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Package Size: #AP77065-1 20ug #AP77065-2 100ug #AP77065-3 1mg

Description

Product Name	Recombinant Human Regulator of G-protein signaling 10(RGS10)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-181aaSequence Info:Full Length of Isoform 3
Accession No.	O43665
Uniprot	O43665
GeneID	6001;
Calculated MW	48.2 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MFNRAVSRLSRKRPPSDIHSDGSSSSSHQSLKSTAKWAASLENLLEDPEGVKRFREFLKKEFSEENVLFWL ACEDFKKMQDKTQMQEKAKEIYMTFLSSKASSQVNVVEGQSRLNEKILEEPHPLMFQKLQDQIFNLMKYDSYS RFLKSDLFLKHKRTEEEEEEDLPDAQTAAKRASRIYNT
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

Regulates G protein-coupled receptor signaling cascades, including signaling downstream of the muscarinic acetylcholine receptor CHRM2. Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form. Modulates the activity of potassium channels that are activated in response to CHRM2 signaling. Activity on GNAZ is inhibited by palmitoylation of the G-protein

References

"RGS10 is a selective activator of G alpha i GTPase activity."

Hunt T.W., Fields T.A., Casey P.J., Peralta E.G.

Nature 383:175-177(1996) Research Topic:Signal Transduction

Note: This product is for in vitro research use only