

Recombinant Human Regulator of G-protein signaling 2(RGS2)

Catalog No: #AP70715

Package Size: #AP70715-1 20ug #AP70715-2 100ug #AP70715-3 1mg

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Description

Product Name	Recombinant Human Regulator of G-protein signaling 2(RGS2)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-211aaSequence Info:Full Length
Other Names	Cell growth-inhibiting gene 31 protein;G0,G1 switch regulatory protein 8
Accession No.	P41220
Calculated MW	40.4 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MQSAMFLAVQHDCRPMDSAGSGHKSEEKREKMKRTLKDWKTRLSYFLQNSSTPGPKTGKKSQQAQFIK PSPEEAQLWSEAFDELLASKYGLAAFRFLKSEFCEENIEFWLACEDFKKTKSPQKLSSKARKIYTDIEKEAP KEINIDFQTKTLIAQNIQEATSGCFTTAQKRVYSLMENNSYPRFLESEFYQDLCKKPQITTEPHAT
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

Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving th into their inactive GDP-bound form. May play a role in leukogenesis. Plays a role in negative feedback control pathway for adenylyl cyclase signaling. Binds EIF2B5 and blocks its activity, thereby inhibiting the translation of mRNA into protein.

References

A human gene encoding a putative basic helix-loop-helix phosphoprotein whose mRNA increases rapidly in cycloheximide-treated blood mononuclear cells.Siderovski D.P., Heximer S.P., Forsdyke D.R.DNA Cell Biol. 13:125-147(1994)Research Topic:Signal Transduction

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