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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

RGS10 (Human) Recombinant Protein (P01)

Catalog Number: H00006001-P01

Regulation Status: For research use only (RUO)

Product Description: Human RGS10 full-length ORF (AAH09361, 1 a.a. - 181 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:
MFNRAVSRLSRKRPPSDIHDSDGSSSSSHQSLKSTAK
WAASLENLLEDPEGVKRFREFLKKEFSEENVLFWLAC
EDFKKMQDKTQMQEKAKEIYMTFLSSKASSQVNVEG
QSRLNEKILEEPHPLMFQKLQDQIFNLMKYDSYSRFLK
SDLFLKHKRTEEEEEDLPDAQTAAKRASRIYNT

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 45.65

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Preparation Method: *in vitro* wheat germ expression system

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 6001

Gene Symbol: RGS10

Gene Alias: -

Gene Summary: Regulator of G protein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. RGS proteins are able to deactivate G protein subunits of the Gi alpha, Go alpha and Gq alpha subtypes. They drive G proteins into their inactive GDP-bound forms. Regulator of G protein signaling 10 belongs to this family. All RGS proteins share a conserved 120-amino acid sequence termed the RGS domain. This protein associates specifically with the activated forms of the two related G-protein subunits, G-alphai3 and G-alphaz but fails to interact with the structurally and functionally distinct G-alpha subunits. Regulator of G protein signaling 10 protein is localized in the nucleus. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

References:

1. Characterization of Regulators of G-protein signaling RGS4 and RGS10 proteins in the postmortem human brain. Rivero G, Gabilondo AM, Garcia-Sevilla JA, La Harpe R, Morentin B, Meana JJ. Neurochem Int. 2010 Aug 31. [Epub ahead of print]