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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

RGS4 (Human) Recombinant Protein (P01)

Catalog Number: H00005999-P01

Regulation Status: For research use only (RUO)

Product Description: Human RGS4 full-length ORF (AAH51869, 1 a.a. - 205 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MCKGLAGLPASCLRSKDKMHRGLGFLQKSDSCEHN
SSHNNKDKVVICQRVSQEEVKKWAESLENLISHECGL
AAFKAFLKSEYSEENIDFWISCEEYKKIKSPSKLSPKAK
KIYNEFISVQATKEVNLDSCTREETSRNMLEPTITCFDE
AQKKIFNLMEKDSYRRFLKSRFYLDLVNPSSCGAEKQ
KGAKSSADCASLVPQCA

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 48.29

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: 5999

Gene Symbol: RGS4

Gene Alias: DKFZp761F1924, MGC2124, MGC60244, RGP4, SCZD9

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 4 belongs to this family. All RGS proteins share a conserved 120-amino acid sequence termed the RGS domain. Regulator of G protein signaling 4 protein is 37% identical to RGS1 and 97% identical to rat Rgs4. This protein negatively regulate signaling upstream or at the level of the heterotrimeric G protein and is localized in the cytoplasm. Alternatively spliced transcript variants 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]