

Product datasheet for **AR39110PU-L**

RGS5 (1-181, His-tag) Human Protein

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | RGS5 (1-181, His-tag) human recombinant protein, 0.5 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MGSHMCKGLA</u> ALPHSCLERA KEIKIKLGIL LQKPDSVGD VIPYNEKPEK PAKTQKTSLD EALQWRDSDL KLLQNNYGLA SFKSFLKSEF SEENLEFWIA CEDYKKIKSP AKMAEKAKQI YEEFIQTEAP KEVNIDHFTK DITMKNLVEP SLSSFDMAQK RIHALMEKDS LPRFVRSEFY QELIK |
| Tag: | His-tag |
| Predicted MW: | 23.5 kDa |
| Concentration: | lot specific |
| Purity: | >90% |
| Buffer: | Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT |
| Preparation: | Liquid purified protein |
| Protein Description: | Recombinant human RGS5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. |
| Storage: | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| RefSeq: | <u>NP_001182232</u> |
| Locus ID: | 8490 |
| UniProt ID: | <u>O15539</u> |
| Cytogenetics: | 1q23.3 |
| Synonyms: | MST092; MST106; MST129; MSTP032; MSTP092; MSTP106; MSTP129 |



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Summary:

This gene encodes a member of the regulators of G protein signaling (RGS) family. The RGS proteins are signal transduction molecules which are involved in the regulation of heterotrimeric G proteins by acting as GTPase activators. This gene is a hypoxia-inducible factor-1 dependent, hypoxia-induced gene which is involved in the induction of endothelial apoptosis. This gene is also one of three genes on chromosome 1q contributing to elevated blood pressure. Alternatively spliced transcript variants have been identified. [provided by RefSeq, Dec 2011]

Protein Families:

Druggable Genome

Product images: