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Product datasheet for TP309495L

RGS20 (NM_003702) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human regulator of G-protein signaling 20 (RGS20), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209495 protein sequence Red=Cloning site Green=Tags(s) MRTADGGEPAGASSPAGRVDGGLQMGSERMEMRKRQMPAAQDTPGAAPGQPGAGSRGSNACCFCWCCCCS CSCLTVRNQEDQRPTIASHELRADLPTWEESPAPTLEEVNAWAQSFDKLMVTPAGRNAFREFLRTEFSEE NMLFWMACEELKKEANKNIIEEKARIIYEDYISILSPKEVSLDSRVREVINRNMVEPSQHIFDDAQLQIY TLMHRDSYPRFMNSAVYKDLLQSLSEKSIEA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	26.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003693
Locus ID:	8601

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UniProt ID: O76081, H9NIM5, B3KSW4

RefSeq Size: 1716

Cytogenetics: 8q11.23

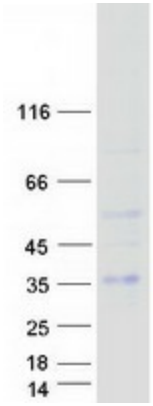
RefSeq ORF: 723

Synonyms: g(z)GAP; gz-GAP; RGSZ1; ZGAP1

Summary: The protein encoded by this gene belongs to the family of regulator of G protein signaling (RGS) proteins, which are regulatory and structural components of G protein-coupled receptor complexes. RGS proteins inhibit signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound forms. This protein selectively binds to G(z)-alpha and G(alpha)-i2 subunits, and regulates their signaling activities. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified RGS20 protein (Cat# [TP309495]). The protein was produced from HEK293T cells transfected with RGS20 cDNA clone (Cat# [RC209495]) using MegaTran 2.0 (Cat# [TT210002]).