

Product datasheet for TP519775

Rgs20 (NM_001177795) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse regulator of G-protein signaling 20 (Rgs20), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species: Mouse
Expression Host: HEK293T
Expression cDNA >MR219775 representing NM_001177795
Clone or AA Sequence: Red=Cloning site Green=Tags(s)

MPSLSQENQGYLEEHLTRQAAQAQLLPLFRAEKDYNPSIDQDTEDEKESQAVTGVKLPDSTGSTHFATFL
ACSPAVLVSSAATPSRGLPGRRDFPSQPSSWPTAWLSPEPHRLLFLLVASMALPGRRPRGRLLKLASPNS
EPRGEDACTEKSSPESPEGSERTEMRMQMC GGSETQGPAPSQQGGRGSNACCCFCWCCCCTCSCLTVRNQ
EDQRPQRASHEIRTDIPACEESPTPTLEEVCWAQSF DNLMVTPAGRNAFREFLRTEFSEENMLFWMACE
ELKREANKSTIEEKARIYEDYISILSPKEVSLDSRVREVINRNMVDPSQHIFDDAQLQIYTLMHRDSYP
RFMNSTVYKDLLTSLAEKTVEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 41.7 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
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 after receiving vials.
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_001171266](#)
Locus ID: 58175
UniProt ID: [Q8C5I7](#), [E9Q720](#)



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RefSeq Size: 2125

Cytogenetics: 1 A1

RefSeq ORF: 1116

Synonyms: 2900073E09Rik; Rgsz1

Summary: Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds selectively to G(z)-alpha and G(alpha)-i2 subunits, accelerates their GTPase activity and regulates their signaling activities. The G(z)-alpha activity is inhibited by the phosphorylation and palmitoylation of the G-protein. Negatively regulates mu-opioid receptor-mediated activation of the G-proteins.[UniProtKB/Swiss-Prot Function]