

Regulator of G-Protein Signaling 1 Human Recombinant

Item Number	rAP-4638
Synonyms	Regulator of G-protein signaling 1, RGS1, B-cell activation protein BL34, Early response protein 1R20, 1R20, BL34, IER1, IR20.
Description	RGS1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 233 amino acids (1-209 a.a) and having a molecular mass of 26kDa. RGS1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q08116
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMRAAAI STPKLDKMPG MFFSANPKEL KGTTTHSLDD KMQKRRPKTF GMDMKAYLRS MIPHLESGMK SSKSKDVLSA AEVMQWSQSL EKLLANQTGQ NVFGS- FLKSE FSEENIEFWL ACEDYKKTES DLLPCKAEEI YKAFVHSDAA KQINIDFRTR ESTAKKIKAP TPTCF- DEAQK VIYTLMEKDS YPRFLKSDIY LLLLNDLQAN SLK.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	RGS1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**