

RRAGC, 1-399aa, Human, His tag, E.coli

Cat.NO.: TP03801

3th Edition

Synonyms:Ras-related GTP binding C, GTR2, RAGC.

Description:Ras-related GTP binding C, also known as RRAGC, is a monomeric guanine nucleotide-binding protein, or G protein. By binding GTP or GDP, small G proteins act as molecular switches in numerous cell processes and signaling pathways. RRAGC has intrinsic GTPase activity. It also regulates the organization of the actin cytoskeleton. Recombinant human RRAGC protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Molecular Weight:46.7kDa (423aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMSLQYGAEETPLAGSYGAADSFPKDFGYGVEEEEEEAAAAGGGVGAGA
GGGCGPGGADSSKPRILLMGLRRSGKSSIQKVVVHKMSPNETLFLESTNKIYKDDISNSSFVNFQIWDFFPGQMDFF
DPTFDYEMIFRGTGALIYVIDAQDDYMEALTRLHITVSKAYKVNPD MNFEVFIHKVDGLSDDHKIETQRDIHQRANDD
LADAGLEKLHLSFYLTISIYDHSIFEAFSKVVQKLIPQLPTLENLLNIFISNSGIEKAFLFDVVSKIYIATDSSPVD MQSYEL
CCDMIDVVIDVSCIYGLKEDGSGSAYDKESMAIIKLNNTTVLYLKEVTKFLALVCILREESFERKGLIDYNFHCFRKA IH
EVFEVGVTSHRSCGHQTSASSLKALTHNGTPRNAI

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.