

AR09246PU-N**Human RAC2 (1-189, His-tag) - Purified****Alternate names:**

Ras-related C3 botulinum toxin substrate 2, Small G protein, p21-Rac2

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

Rac2 is a small signaling G protein (more specifically a GTPase), and is a member of the Rac subfamily of the family Rho family of GTPases. Rac proteins play important roles in multiple cellular events, including actin cytoskeletal organization, cell proliferation and survival, cell cycle progression, and gene transcription regulation.

Uniprot ID:[P15153](#)**NCBI:**[NP_002863](#)**GeneID:**[5880](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >95% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 20% Glycerol, 2 mM EDTA, 2 mM DTT, 0.1 M NaCl**Description:**

Recombinant human RAC2, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MQAIKCVVVG DGAVGKTCLL ISYTTNAFPG EYIPTVFDNY
SANVMVDSKP VNLGLWDTAG QEDYDRLRPL SYPQTDVFLI CFSLVSPASY ENVRAKWFPE
VRHHCPSTPI ILVGTKDLDR DDKDTIEKLK EKKLAPITYP QGLALAKEID SVKYLECSAL
TQRGLKTVFD EAIRAVLCPQ PTRQQRAC

Molecular weight: 23.3 kDa (209 aa)**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.

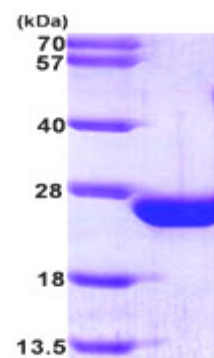
Shelf life: one year from despatch.

General Readings:

Ambruso DR., et al. (2000) Proc Natl Acad Sci U S A. 97(9):4654-9.

Faure J., et al. (2001) Biochimie. 83(5):409-14.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human RAC2, 1-189 aa, His-tagged: 15% SDS-PAGE (3 μ g)

