

Recombinant human RAC2 protein

Catalog Number: ATGP0365

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-189aa

UniProt No.

P15153

NCBI Accession No.

NP_002863

Alternative Names

Ras-related C3 botulinum toxin substrate 2., EN-7, Gx, HSPC022, Ras-related C3 botulinum toxin substrate 2, EN 7, EN7, HSPC 022, p21 Rac 2, p21 Rac2, p21Rac2, RAC 2, Ras related C3 botulinum toxin substrate 2, Ras related C3 botulinum toxin substrate 3, Rho family small GTP binding protein Rac 2, Rho family small GTP binding protein Rac2, Small G protein.

PRODUCT SPECIFICATION

Molecular Weight

23.3 kDa (209aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol 2mM EDTA, 2mM DTT, 0.1 M NaCl.

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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

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regulation. Recombinant human RAC2 was expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MQAIKCVVVG DGAVGKTCLL ISYTTNAFPG EYIPTVFDNY SANVMVDSKP VNLGLWDTAG
QEDYDRLRPL SYPQTDVFLI CFSLVSPASY ENVRAKWFPE VRHHCPSTPI ILVGTKLCLR DDKDTIEKLEK EKKLAPITYP
QGLALAKEID SVKYLECSAL TQRGLKTVFD EAIRAVLCPQ PTRQQKRAC

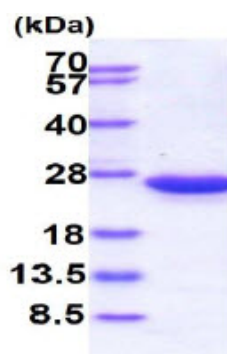
General References

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.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.