

Recombinant human RAC2 protein

Catalog Number: RAC0801

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-192aa

UniProt No.

P15153

NCBI Accession No.

NP_002863

Alternative Names

Ras-related C3 botulinum toxin substrate 2, HSPC022, ras-related C3 botulinum toxin substrate 2, RAC2, EN-7, Gx, 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

47 kDa (419aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4)

Purity

> 90% by SDS-PAGE

Tag

GST-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 GST tagged RAC2 was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

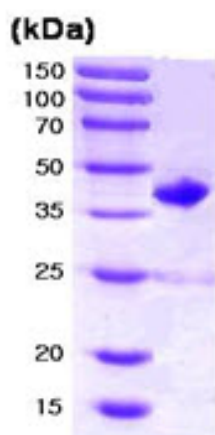
MSPILGYWKI KGLVQPTRL LLEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPPYID GDVKLTQSMA IIRYIADKHN
MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD
VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSHMQA IKCVVVG DGA
VGKTCLLISY TTNAFPGEYI PTVFDNYSAN VMVDSKPVNL GLWDTAGQED YDRLRPLSYP QTDVFLICFS LVSPASYENV
RAKWFPEVRH HCPSTPIILV GTKLDLRDDK DTIEKLKEKK LAPITYPQGL ALAKEIDSVK YLECSALTQR GLKTVFDEAI
RAVLCPQPTR QQKRACSL

General References

Yi Gu., et al. (2002). Mol Cell Biol. 22(21):7645-57.
Tarricone C., et al. (2001). Nature. 411(6834):215-9.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)