Recombinant human RAC1 protein

Catalog Number: ATGP0403

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-192aa

UniProt No.
P63000

NCBI Accession No.
NP_008839

Alternative Names
Ras-related C3 botulinum toxin substrate 1 isoform, MIG5, p21-Rac1, TC-25, Ras-related C3 botulinum toxin substrate 1 isoform Migration inducing gene 5, Migration inducing protein 5, p21 Rac1, Rac 1, Ras like protein TC25, TC25.

PRODUCT SPECIFICATION

Molecular Weight
23.6 kDa (212aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 1mM EDTA, 10% glycerol

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

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
Rac1, belonging to the Rho small GTPase family, regulates the actin cytoskeleton but also other cellular processes. RAC1 have been shown to be involved in the regulation of cell-cell adhesion. Recombinant human

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RAC1, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

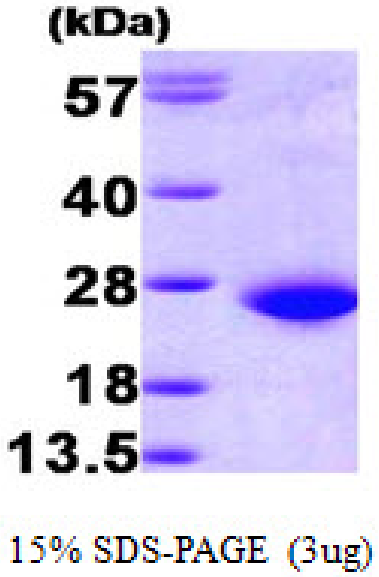
MGSSHHHHHH SSGLVPRGSH MQAIKCVVVG DGAVGKTCLL ISYTTNAFPG EYIPTVFDNY SANVMVDGKP VNLGLWDTAG QEDYDRLRPL SYPQTDVFLI CFSLVSPASF ENVRAKWYPE VRHHCPNTPI ILVGTKLDLR DDKDTIEKLK EKKLTPITYP QGLAMAKEIG AVKYLECSAL TQRGLKTVFD EAIRAVLCPP PVKKRKRKCL LL

General References

Chrostek A., et al. (2006) Mol Cell Biol. 26: 6957-70.
Sun CX., et al. (2004) Blood. 104(12):3758-65.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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