

Recombinant human RAB5A protein

Catalog Number: RAB0701

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-215aa

UniProt No.

P20339

NCBI Accession No.

NP_004153

Alternative Names

RAB5A member RAS oncogene family, Ras-related protein Rab-5A, RAS-associated protein RAB5A, RAB5

PRODUCT SPECIFICATION

Molecular Weight

23 kDa (215aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM MES buffer (pH 6.0) containing 10% glycerol, 0.1mM PMSF

Purity

> 95% by SDS-PAGE

Endotoxin level

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

Tag

Non-Tagged

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

Rab5a is a member of RAS oncogene family. The small GTPase, Rab5a is a crucial regulatory component of the endocytic pathway. Activation of Rab5a is mediated by GDP-GTP exchange factors (GEFs) that generate the Rab5-GTP complex. Recombinant human Rab5a was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

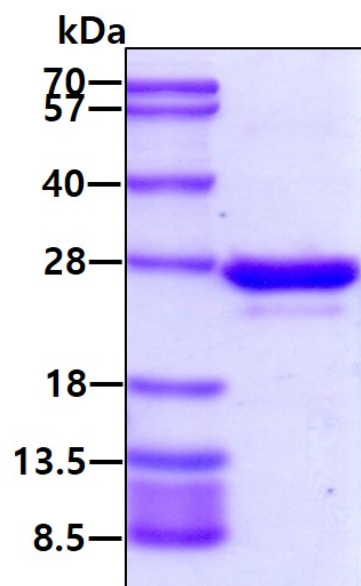
MASRGATRPN GPNTGNKICQ FKLVLLGESA VGKSSLVLRV VKGQFHEFQE STIGAAFLTQ TVCLDDTTVK FEIWDTAGQE
RYHSLAPMYR RGAQAAIVVY DITNEESFAR AKNWVKELQR QASPNIVAL SGNKADLANK RAVDFQEAQS YADDNSLLFM
ETSAKTSMNV NEIFMAIAKK LPKNEPQNPQ ANSARGRGVD LTEPTQPTRN QCCSN

General References

Tan BK, et al.(2007) J Clin Endocrinol Metab. 92(7):2590-7
Yao-Borengasser A, et al.(2007) J Clin Endocrinol Metab. 92(7):2430-2.

DATA

SDS-PAGE



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