

Product datasheet

Recombinant Human RAP2B protein ab140538

1 Image

Description

Product name	Recombinant Human RAP2B protein
Purity	> 95 % SDS-PAGE. ab140538 is purified using conventional chromatography techniques
Expression system	Escherichia coli
Accession	<u>P61225</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGSMREYKVVVLGSGGV GKSALTVQFVTGS FIEKYDPTIEDFYRKEIEVDSSPSVLEILDTAGTEQFASMRD LYKNGQG FILVYSLVNQQSFQDIKPMRDQIRVKRYERVPMLVGNKVD LEGEREVS YGEGKALAEWSCPFMETSAKNKASVDELFAEIVRQMNY AAQPNGDEGCC SACVIL
Predicted molecular weight	23 kDa including tags
Amino acids	1 to 183
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab140538** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.02% DTT, 0.32% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

General Info

Function

Small GTP-binding protein which cycles between a GDP-bound inactive and a GTP-bound active form. Involved in EGFR and CHRM3 signaling pathways through stimulation of PLCE1. May play a role in cytoskeletal rearrangements and regulate cell spreading through activation of the effector TNIK. May regulate membrane vesiculation in red blood cells.

Tissue specificity

Expressed in red blood cells (at protein level).

Sequence similarities

Belongs to the small GTPase superfamily. Ras family.

Domain

The effector domain mediates the interaction with RUNDC3A.

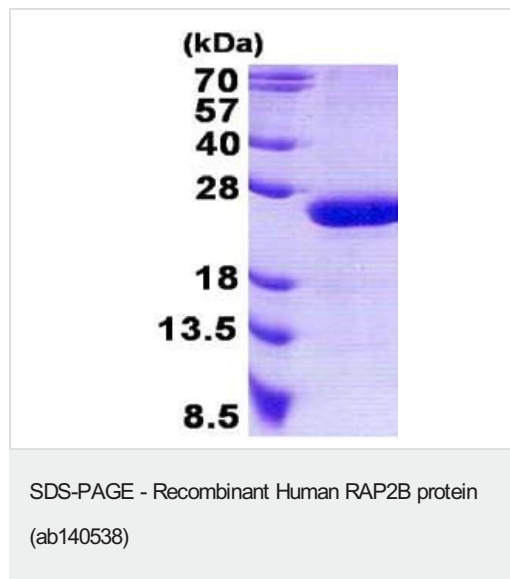
Post-translational modifications

Palmitoylated. Palmitoylation is required for association with recycling endosome membranes and activation of TNIK.

Cellular localization

Recycling endosome membrane. Associated with red blood cells-released vesicles.

Images



15% SDS-PAGE analysis of 3 µg ab140538.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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