

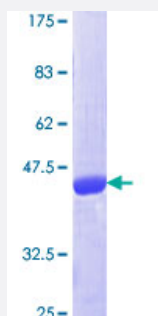
Full-Length

RAP1B (Human) Recombinant Protein (P02)

Catalog # H00005908-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human RAP1B full-length ORF (NP_001010942.1, 1 a.a. - 184 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MREYKLVVLGSGGVGKSALTVQFVQGIFVEKYDPTIEDSYRKQVEVDAQQCMLEILD TAGTEQFT
AMRDLYMKNQGQGFALVYSITAQSTFNDLQDLREQILRVKDTDDVPMILVGNKCDLEDERVVGKEQ
GQNLARQWNNCAFLESSAKSKINVNEIFYDLVRQINRKTPVPGKARKKSSCQLL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

47.2

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RAP1B

Entrez GeneID	5908
GeneBank Accession#	NM_001010942.1
Protein Accession#	NP_001010942.1
Gene Name	RAP1B
Gene Alias	DKFZp586H0723, K-REV, RAL1B
Gene Description	RAP1B, member of RAS oncogene family
Omim ID	179530
Gene Ontology	Hyperlink
Gene Summary	RAP1B and RAP1A (MIM 179520) belong to a superfamily of RAS (see MIM 190020)-like small GTP-binding proteins involved in cell signaling.[supplied by OMIM]
Other Designations	OTTHUMP00000165026 RAS-related protein RAP1B Ras family small GTP binding protein RAP 1B small GTP binding protein

Publication Reference

- [Rap1b Regulates B Cell Development, Homing, and T Cell-Dependent Humoral Immunity.](#)

Chu H, Awasthi A, White GC 2nd, Chrzanowska-Wodnicka M, Malarkannan S.

Journal of Immunology 2008 Sep; 181(5):3373.

Pathway

- [Chemokine signaling pathway](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [Long-term potentiation](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Renal cell carcinoma](#)

Disease

- [Carcinoma](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)
- [Thyroid Neoplasms](#)