

# Recombinant Human RAB5C, member RAS oncogene family, His-tagged

**Cat. No.** RAB5C-532H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | RAB5C, 1-216aa, Human, His tag, E.coli                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 1-216 a.a.                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | Members of the Rab protein family are small GTPases of the Ras superfamily that are thought to ensure fidelity in the process of docking and/or fusion of vesicles with their correct acceptor compartment. Recombinant human RAB5C protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 25.9 kDa (239aa) confirmed by MALDI-TOF                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSMAGRGA ARPNGPAAGN KICQFKLVLL<br>GESAVGKSSL VLRVKGQFH EYQESTIGAA FLTQTVCLDD TTVKFEIWDT<br>AGQERYHSLA PMYYRGAQAA IVVYDITNTD TFARAKNWWK ELQRQASPNI<br>VIALAGNKAD LASKRAVEFQ EAQAYADDNS LLMETS AKT AMNVNEIFMA<br>IAKKLPKNEP QNATGAPGRN RGVDLQENNP ASRSQCCSN                                                                                   |

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|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>              | >90% by SDS - PAGE                                                                                                                                                                                                                    |
| <b>Storage</b>             | Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.                                                                                    |
| <b>Concentration</b>       | 1mg/ml (determined by Bradford assay)                                                                                                                                                                                                 |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                                       |
| <b>Gene Name</b>           | RAB5C RAB5C, member RAS oncogene family [ Homo sapiens ]                                                                                                                                                                              |
| <b>Official Symbol</b>     | RAB5C                                                                                                                                                                                                                                 |
| <b>Synonyms</b>            | RAB5C; RAB5C, member RAS oncogene family; RABL; ras-related protein Rab-5C; RAB; member of RAS oncogene family like; member of RAS oncogene family; RAB5CL; RAB5C, member of RAS oncogene family; L1880; RAB5L; MGC117217; MGC138857; |
| <b>Gene ID</b>             | 5878                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>         | NM_001252039                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | NP_001238968                                                                                                                                                                                                                          |
| <b>MIM</b>                 | 604037                                                                                                                                                                                                                                |
| <b>UniProt ID</b>          | P51148                                                                                                                                                                                                                                |
| <b>Chromosome Location</b> | 17q21.2                                                                                                                                                                                                                               |
| <b>Pathway</b>             | Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Clathrin                                                                                                                                                    |

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derived vesicle budding, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem;

**Function**

GTP binding; GTPase activity; nucleotide binding;

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