

# Recombinant Human RAP1GDS1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** RAP1GDS1-4168H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Product Overview</b> | RAP1GDS1 MS Standard C13 and N15-labeled recombinant protein (NP_001093897) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | The smg GDP dissociation stimulator (smgGDS) protein is a stimulatory GDP/GTP exchange protein with GTPase activity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 66.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | <p>MADNLSDTLKKLKITAVDKTEDSLEGCLDCLLQALAQNNNTETSEKIQASGILQLFATLL<br/> TPQSSCKAKVANIIAEVAKNEFMRI PCVDAGLISPLVQLLNSKDQEVLLQTGRALGNIC<br/> YDSHEGRSAVDQAGGAQIVIDHLRSLCSITDPANEKLLTVFCGMLMNYSNENDSLQA<br/> QLINMGVIPTLVKLLGIHCQNAALTEMCLVAFGNLAELESSKEQFASTNIAEELVKLFK<br/> KQIEHDKREMIFEVLAPLAENDA IKLQLVEAGLVECLLEIVQQKVDSKDDEDITELKTG<br/> SDLMVLLLLGDESMQKLFEGGKGSVFQRVLSWIPSNNHQLQLAGALAIANFARND<br/> NCIHMVDNGIVEKLMDLLDRHVEDGNVTVQHAALSALRNLAIPVINKAKMLSAGVTEA<br/> VLKFLKSEMPVQFKLLGTLRMLIDAQEA AEQLGKNVKLVERLVEWCEAKDHAGVM<br/> GESNRLLSALIRHSKSKDVIKTIVQSGGIKHLVTMATSEHVIMQNEALVALALIAALELG<br/> TAEKDLES AKLVQILHRL LADERSAPEIKYNSMVLCALMGSECLHKEVQDLAFLDVV<br/> SKLRSHENKSVAQQASLTEQRLTVESTRTTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

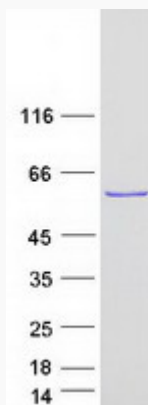
## GENE INFORMATION

|                        |                                                                                                                                                                                                                          |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">RAP1GDS1 Rap1 GTPase-GDP dissociation stimulator 1 [ Homo sapiens (human) ]</a>                                                                                                                              |
| <b>Official Symbol</b> | <a href="#">RAP1GDS1</a>                                                                                                                                                                                                 |
| <b>Synonyms</b>        | RAP1GDS1; RAP1, GTP-GDP dissociation stimulator 1; rap1 GTPase-GDP dissociation stimulator 1; SmgGDS; SMG GDS protein; exchange factor smgGDS; SMG P21 stimulatory GDP/GTP exchange protein; GDS1; MGC118859; MGC118861; |
| <b>Gene ID</b>         | <a href="#">5910</a>                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>     | <a href="#">NM_001100427</a>                                                                                                                                                                                             |
| <b>Protein Refseq</b>  | <a href="#">NP_001093897</a>                                                                                                                                                                                             |
| <b>MIM</b>             | <a href="#">179502</a>                                                                                                                                                                                                   |
| <b>UniProt ID</b>      | <a href="#">P52306</a>                                                                                                                                                                                                   |

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**SDS-PAGE**

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