

# Recombinant Full Length Human RALGDS Protein, C-Flag-tagged

**Cat. No.** RALGDS-1001HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human RALGDS Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | Guanine nucleotide dissociation stimulators (GDSs, or exchange factors), such as RALGDS, are effectors of Ras-related GTPases (see MIM 190020) that participate in signaling for a variety of cellular processes.                                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 100.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MVQRMWAEAAGPAGGAEPLFPGSRRSRVWDAVRLEVGVPDSCPVVLHSFTQLD<br>PDLPRPESSTQEIGEE LINGVIYSISLRKVQLHHGGNKGQRWLGYENESALNLYETC<br>KVRTVKAGTLEKLVEHLVPAFQGS DLSYV TIFLCTYRAFTTTQQVLDLLFKRYGRCD<br>ALTASSRYGCILPYSDDEDGGPQDQLKNAISSILGTWLDQYSE DFCQPPDFPCLKQLV<br>AYYQLNMPGSDLERRAHL LLAQLEHSEPIEAPEALSPVPALKPTPELELALTPA RA<br>PSPVPAPAPEPEPAPTPAPGSELEVAPAPAPELQQAPEPAVGLESAPAPALELEPAP<br>EQDPAPSQTLE LEPAPAPVPSLQPSWSPVVAENGLSEEKPHLLVFPPDLVAEQFT<br>LMDAELFKKVVPYHCLGSIWSQRDK KGKEHLAPTIRATVTQFNSVANCVITTCLGNR<br>STKAPDRARVVEHWIEVARECRILKNFSSLYAILSALQ SNSIHLKKTWEDVSRDSF |

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

RIFQKLSEIFSDENNYSLSRELLIKEGTSKFATLEMNPKRAQKRPKETGII QGTVPYLG  
 TFLTDLVMLDTAMKDYLYGRLINFEKRRKEFEVIAQIKLLQSACNNYSIAPDEQFGAW  
 FRAV ERLSETESYNLSCELEPPSESASNTLRKKNTAIVKRWSRQAPSTELSTSGS  
 SHSKSCDQLRCGPYLSS GDIADALSVHSAGSSSSDVEEINISFVPESPDGQEKKFW  
 ESASQSSPETSGISSASSSTSSSSASTTPVA ATRTHKRSVSGLCNSSSALPLYNQQ  
 VGDCCIIRVSLDVDNGNMYKSILVTSQDKAPAVIRKAMDKNLEE EEPEDYELLQILS  
 DDRCLKIPENANVFYAMNSTANYDFVLKKRTFTKGVKVKHGASSTLPRMKQKGLKIA  
 KGIFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Pathways</b> | Colorectal cancer, Pancreatic cancer, Pathways in cancer                                                                                      |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

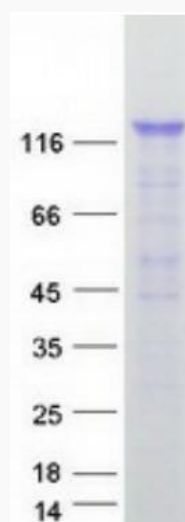
|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| <b>Gene Name</b>       | RALGDS ral guanine nucleotide dissociation stimulator [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | RALGDS                                                                         |

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|                       |                   |
|-----------------------|-------------------|
| <b>Synonyms</b>       | RGF; RGDS; RalGEF |
| <b>Gene ID</b>        | 5900              |
| <b>mRNA Refseq</b>    | NM_006266.4       |
| <b>Protein Refseq</b> | NP_006257.1       |
| <b>MIM</b>            | 601619            |
| <b>UniProt ID</b>     | Q12967            |



Coomassie blue staining of purified RALGDS protein.