

# Recombinant Human RUFY2 protein, His-tagged

**Cat. No.** RUFY2-2468H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human RUFY2 protein(1-403 aa), fused with N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E. coli                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 1-403 aa                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.                                                                |
| <b>AASequence</b>       | MATKDPTAVERANLLNMAKLSIKGLIESALSFGRTLDSYPPLQQFFVMEHCLKHG<br>LKVRKSFLSYNKTIWGPLELVEKLYPEAAEEIGASVRDLPGLNEFYEHALMMEEEGA<br>VIVGLLVGLNVIDANLCVKGEDLDSQVGVIDFSMYLKNEEDIGNKERNVQIAAILDQKN<br>YVEELNRQLNSTVSSLHSRVDLSLEKSNTKLIEELAIAKNNIIKLQEENHQLRSENKLIL<br>MKTQQHLEVTKVDVETELQTYKHSRQGLDEMYNEARRQLRDESQLRQDVENELAV<br>QVSMKHEIELAMKLLKEDIHEKQDTLIGLRQQLEEVKAINIEMYQKLQGSSEDGLKEKN<br>EIIARLEEKTNKITAAMRQLEQSDNDLLTQTRTIAMSLVKCASSDTQDQYKLVKDISF |
| <b>Purity</b>           | 85%, by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,                                                                                                                                                                                                                                                                                                                                                       |

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reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [RUFY2 RUN and FYVE domain containing 2 \[ Homo sapiens \]](#)

**Official Symbol** [RUFY2](#)

**Synonyms**

RUFY2; RUN and FYVE domain containing 2; RUN and FYVE domain-containing protein 2; FLJ10063; KIAA1537; RABIP4R; ZFYVE13; antigen MU-RMS-40.17; RUN and FYVE domain-containing 2; rab4-interacting protein related; Run- and FYVE-domain containing protein;

**mRNA Refseq** [NM\\_001042417](#)

**Protein Refseq** [NP\\_001035882](#)

**MIM** [610328](#)

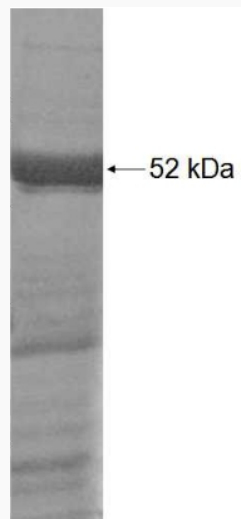
**UniProt ID** [Q8WXA3](#)

**Gene ID** [55680](#)

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**SDS-PAGE**

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