

# Recombinant Full Length Human RHOT2 Protein, C-Flag-tagged

**Cat. No.** RHOT2-1423HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human RHOT2 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>      | This gene encodes a member of the Rho family of GTPases. The encoded protein is localized to the outer mitochondrial membrane and plays a role in mitochondrial trafficking and fusion-fission dynamics.                                                                                                                                                                                                                                                                                                                                                             |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 67.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MRRDVRILLLGEAQVGKTSLLSLVGEEFPPEVPPRAEEITIPADVTPEKVPPTHIVDYS<br>EAEQTDEELRE EIHKANVVCVVYDVSEEATIEKIRTKWIPLVNGGTTQGPRVPIILVG<br>NKSDLRSGSSMEAVLPIMSQFPE IETCVECSAKNLRNISELFYYAQKAVLHPTAPLY<br>DPEAKQLRPACAQALTRIFRLSDQDLQALSDEELN AFQKSCFGHPLAPQALEDVK<br>TVVCRNVAGGVREDRLTLDGFLFLNTLFIQGRGRHETTWILRRFGYSDAL ELTADYL<br>SPLIHVPPGCSTELNHLGYQFVQRVFEKHDQDRDGALSPVELQSLFSVFPAAPWGP<br>ELPRTVR TEAGRLPLHGYLCQWTLVTYLDVRSCLGHLGYLGYPTLCEQDQAHAITV<br>TREKRLDQEKGGTQRSVLLCK VVGARGVGKSAFLQAFLGRGLGHQDTREQPPGY<br>AIDTVQVNGQEKEYLILCEVGTDGLLATSLDATCDVAC LMFDGSDPKSFAHCASVYK |

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HHYMDGQTPCLFVSSKADLPEGVAVSGPSAEFCRKHRLPAPVPFSCAGPA  
EPSTTIFTQLATMAAFPHLVHAELHPSSFWLRGLLGVVGAAVAVALSFSLYRVLVKS  
QTRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <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 Families</b> | Transmembrane                                                                                                                                 |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                                                             |
|------------------------|-----------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">RHOT2 ras homolog family member T2 [ Homo sapiens (human) ]</a> |
| <b>Official Symbol</b> | <a href="#">RHOT2</a>                                                       |
| <b>Synonyms</b>        | RASL; ARHT2; MIRO2; MIRO-2; C16orf39                                        |
| <b>Gene ID</b>         | <a href="#">89941</a>                                                       |
| <b>mRNA Refseq</b>     | <a href="#">NM_138769.3</a>                                                 |

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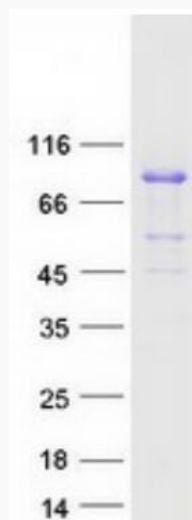
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**Protein Refseq** NP\_620124.1

**MIM** 613889

**UniProt ID** Q8IXI1



Coomassie blue staining of purified RHOT2 protein.

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