

Recombinant Human RHOT2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RHOT2-4515H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RHOT2 MS Standard C13 and N15-labeled recombinant protein (NP_620124) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	68.1 kDa
AA Sequence	MRRDVRILLGGEAQVGKTSLLSLVGEEFPPEVPPRAEEITIPADVTPEKVPPTHIVDYS EAEQTDEELREEIHKANVVCVVYDVSEEATIEKIRTKWIPLVNGGTTQGPRVPIILVGN KSDLRSGSSMEAVLPIMSQFPEIETCVECSAKNLRNISELFYYAQKAVLHPTAPLYDP EAKQLRPACAQALTRIFRLSDQDLQALSDEELNAFQKSCFGHPLAPQALQEDVKTIV CRNVAGGVREDRLTLDGFLFLNTLFIQRGRHETTWTILRRFGYSDALELTADYLSPLI HVPPGCSTELNHLGYQFVQRVFEKHDQDRDGALSPVELQSLFSVFPAPWGPPELP RTVRTEAGRLPLHGYLCQWTLVTYLDVRSCLGHLGYLGYPTLCEQDQAHAITVTRE KRLDQEKGTQRSVLLCKVVGARGVGKSAFLQAFGRGLGHQDTREQPPGYAIDT VQVNGQEKYLILCEVGTGDLATSLDATCDVACLMFDGSDPKSFAHCASVYKHHYM DGQTPCLFVSSKADLPEGVAVSGPSAEFCRKHRLPAPVPFSCAGPAEPSTTIFTQL

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

GENE INFORMATION

Gene Name	RHOT2 ras homolog family member T2 [Homo sapiens (human)]
Official Symbol	RHOT2
Synonyms	RHOT2; ras homolog family member T2; ARHT2, C16orf39, chromosome 16 open reading frame 39, ras homolog gene family, member T2; mitochondrial Rho GTPase 2; MIRO 2; mitochondrial Rho (MIRO) GTPase 2; ras homolog gene family, member T2; RASL; ARHT2; MIRO2; MIRO-2; C16orf39;
Gene ID	89941
mRNA Refseq	NM_138769
Protein Refseq	NP_620124

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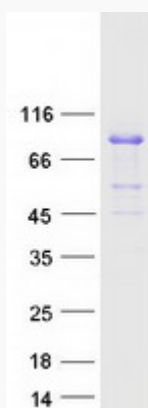
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SDS-PAGE



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