

Recombinant Human RHOT2, His-tagged

Cat. No. RHOT2-30983TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1-226 of Human RHOT2 with N terminal His tag; MWt 26kDa.
Species	Human
Source	E.coli
ProteinLength	1-226 a.a.
Description	Mitochondrial GTPase involved in mitochondrial trafficking. RHOT2 is probably involved in control of anterograde transport of mitochondria and their subcellular distribution. There are two isoforms.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 141 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MRRDVRILLLGEAQVGKTSLLSLVGEEFPPEEVPRAEEI TIPADVTPEKVPPTHIVDYS EAEQTDEELREEIHKANVV CVVYDVSEEATIEKIRTKWIPLVNGGTTQGPRVPILV G NKSDLRSGSSMEAVLPIMSQFPEIETCVECSAKNLRN ISELFYYAQKAVLHPTAPLY

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DPEAKQLRPACAQALTRIFRLSDQDLQALSDEELNAFQKSCFGHPLAPQAL

GENE INFORMATION

Gene Name	RHOT2 ras homolog gene family, member T2 [Homo sapiens]
Official Symbol	RHOT2
Synonyms	RHOT2; ras homolog gene family, member T2; ARHT2, C16orf39, chromosome 16 open reading frame 39; mitochondrial Rho GTPase 2; MIRO 2;
Gene ID	89941
mRNA Refseq	NM_138769
Protein Refseq	NP_620124
MIM	613889
Uniprot ID	Q8IXI1
Chromosome Location	16p13.3
Pathway	Rho GTPase cycle, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by Rho GTPases, organism-specific biosystem;
Function	GTP binding; GTPase activity; calcium ion binding; hydrolase activity; nucleotide binding;

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