

Recombinant Human Peptidyl-TRNA Hydrolase 2, 64-179 aa, His-tagged

Cat. No. PTRH2-3370H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PTRH2 protein was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 14.9 kDa (137aa).
Species	Human
Source	<i>E.coli</i>
Description	PTRH2 (peptidyl-tRNA hydrolase 2), also known as BIT1, is a mitochondrial protein. During apoptosis, PTRH2 is released from the mitochondria to the cytoplasm. Once in the cytoplasm, PTRH2 regulates the function of two transcriptional regulators, TLE5 and TLE1, thereby promoting caspase-independent cell death. The natural substrate for PTRH2 may be peptidyl-tRNAs which drop off the ribosome during protein synthesis.
Form	Liquid. In 20mM Tris buffer (pH 8.0) containing 10% glycerol, 1mM DTT.
Purity	> 95% by SDS - PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SGLVPRGSH MEYKMILVVR NDLKMGGKGV AAQCShAAVS AYKQIQRRNP EMLKQWEYCG QPKVVVKAPD EETLIALLAH AKMLGLTVSL IQDAGRTQIA PGSQTVLGIG PGPADLIDKV TGHCLKLY.

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

PTRH2 peptidyl-tRNA hydrolase 2 [Homo sapiens]

Synonyms

peptidyl-tRNA hydrolase 2; BIT1; PTH2; CGI-147; FLJ32471; PTRH2; peptidyl-tRNA hydrolase 2, mitochondrial; PTH 2; OTTHUMP00000205936; bcl-2 inhibitor of transcription 1; Bcl-2 inhibitor of transcription 1

Gene ID

51651

mRNA Refseq

NM_016077

Protein Refseq

NP_057161

MIM

608625

UniProt ID

Q9Y3E5

**Chromosome
Location**

17q23.1

Function

aminoacyl-tRNA hydrolase activity; hydrolase activity

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