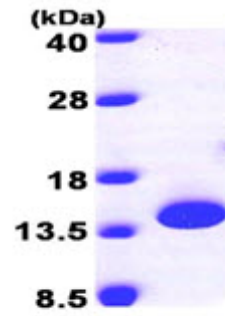


AR09770PU-N**Human PTRH2 / BIT1 (64-179, His-tag) - Purified**

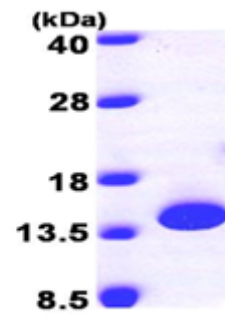
Alternate names:	CGI-147, PTH2, Peptidyl-tRNA hydrolase 2 mitochondrial
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	<p>PTRH2 (peptidyl-tRNA hydrolase 2), also known as BIT1, is a mitochondrial protein. During apoptosis, PTRH2 is released from the mitochondria 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.</p>
Uniprot ID:	Q9Y3E5
NCBI:	NP_057161
GeneID:	51651
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% Buffer System: 20mM Tris buffer (pH 8.0) containing 10% glycerol, 1mM DTT
Description:	<p>Recombinant human PTRH2 protein was expressed in E.coli and purified by using conventional chromatography techniques.</p> <p>AA Sequence: <u>MGSSHHHHHH SSGLVPRGSH MEYKMILVVR</u> NDLMGKGKV AAQCShAAVS AYKQIQRRNP EMLKQWEYCG QPKVVVKAPD EETLIALLAH AKMLGLTVSL IQDAGRQIA PGSQTVLGIG PGPADLIDKV TGHCLKLY</p> <p>Molecular weight: 14.9 kDa (137aa), confirmed by MALDI-TOF</p>
Storage:	<p>Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.</p> <p>Avoid repeated freezing and thawing. Shelf life: one year from despatch.</p>
General Readings:	<p>Jan Y., et al. (2004) Cell. 116(5):751-62. De Pereda JM., et al. (2004) J Biol Chem. 279(9):8111-5.</p>

Pictures:

Recombinant human PTRH2, 64-179 aa,
His- tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)