
Product Data Sheet

Product Name: PTRH2 Human
 Cat. No.: GP22205
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Peptidyl-tRNA hydrolase 2; mitochondrial; PTH 2; Bcl-2 inhibitor of transcription 1; PTRH2; BIT1; PTH2; CGI-147; FLJ32471; PTRH2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MEYKMILVVR NDLMGKGV AAQCShAAVS AYKQIQRNP EMLKQWEYCG QPKVVVKAPD EETLIALLAH AKMLGLTVSL IQDAGRTOIA PGSQTVLGIG PGPADLIDKV TGHLKLY.		
Formulation	The PTRH2 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 1mM DTT.		

Introduction

Peptidyl-tRNA hydrolase 2 (PTRH2) is a mitochondrial protein. PTRH2 is released during apoptosis from the mitochondria to the cytoplasm. When in the cytoplasm, PTRH2 regulates the function of 2 transcriptional regulators, TLE5 and TLE1, thus promoting caspase-independent cell death. Natural substrates for PTRH2 may be peptidyl-tRNAs which drop off the ribosome during protein synthesis.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

PTRH2 Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 137 amino acids (64-179 a.a.) and having a molecular mass of 14.9kDa. The PTRH2 is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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