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**Product Data Sheet**


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Product Name: HINT2 Human  
 Cat. No.: GP23643  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Histidine triad nucleotide-binding protein 2 mitochondrial; HINT-2; HINT-3 HIT-17kDa; PKCI-1-related HIT protein; HINT2; histidine triad nucleotide binding protein 2; HIT-17.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSVAATGVR GGQVRGAAGV TDGNEVAKAQ QATPGGAAPT IFSRILDKSL PADILYEDQQ CLVFRDVAPQ APVHFLVIPK KPIPRISQAE EEDQQLLGHLLVAKQTAKA EGLGDGYRLV INDGKLGAAQS VYHLHIHVLG GRQLQWPPG.		
Formulation	HINT2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

**Introduction**

Histidine triad nucleotide-binding protein 2 (HINT2) belongs to the triad proteins, which are nucleotide hydrolases and transferases that act on the alpha-phosphate of ribonucleotides. Hydrolase is most likely involved in steroid biosynthesis, furthermore it might play a role in apoptosis. HINT2 shows high expression in liver and pancreas. Expression is significantly down-regulated in hepatocellular carcinoma (HCC) patients.

**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**

HINT2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 169 amino acids (18-163 a.a) and having a molecular mass of 17.9kDa. HINT2 is fused to a 23 amino acid His-tag at N-terminus & purified by

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

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proprietary chromatographic techniques.

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