

AR09317PU-N

Human ATOX1 (1-68, His-tag) - Purified

Alternate names:

ATX1, Copper transport protein ATOX1, HAH1, Metal transport protein ATX1

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

Copper transport protein ATOX1, also known as HAH1, a metal transport protein that belongs to the ATX1 family. ATOX1 is involved in cellular antioxidant defense and can bind and deliver cytosolic copper to the copper ATPase proteins. This protein also functions as an antioxidant against superoxide and hydrogen peroxide, and therefore, may play a significant role in cancer carcinogenesis. Because of its cytogenetic location, this gene represents a candidate gene for 5q-syndrome.

Uniprot ID:

[O00244](#)

NCBI:

[NP_004036](#)

GeneID:

[475](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified peptide

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol

Description:

Recombinant human ATOX1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MPKHEFSVDM TCGGCAEAVS RVLNKLGGVK YDIDLPNKKV
CIESEHSMDT LLATLKKTGK TVSYLGL

Molecular weight: 9.5 kDa (88 aa)

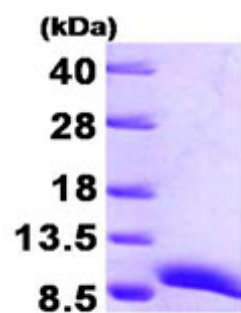
Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human ATOX1 (1- 68 aa),
His-tagged: 15% SDS-PAGE (3 µg)

