

Product information



ATOX1, 1- 68 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0434

Full name: Copper transport protein ATOX1

NCBI Accession No.: NP_004036

Synonyms: Antioxidant protein 1, ATX1, HAH1

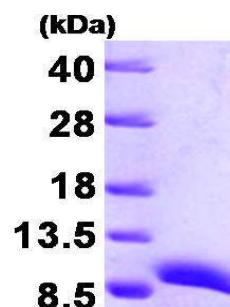
Description: Copper transport protein ATOX1, also known as HAH1, a metal transport protein that belongs to the ATX1 family. ATOX1 is involved in cellular antioxidant defense and can bind and deliver cytosolic copper to the copper ATPase proteins. This protein also functions as an antioxidant against superoxide and hydrogen peroxide, and therefore, may play a significant role in cancer carcinogenesis. Because of its cytotenetic location, this gene represents a candidate gene for 5q-syndrome. Recombinant human ATOX1, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 1mM DTT,
10% glycerol

Molecular Weight: 9.5 kDa (88aa)

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MPKHEFSVDM TCGGCAEAVS RVLNKLGGVK YDIDLPNKKV CIESEHSMDT LLATLKKTGK TVSYLGL

General references:

Klomp LW., *et al.* (1997) *J Biol Chem.* 272(14):9221-6.

Hamzal I., *et al.* (1999) *Proc Natl Acad Sci USA.* 96(23):13363-8.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



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.

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