

Recombinant Full Length Human ATOX1 Protein, GST-tagged

Cat. No. ATOX1-1076HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATOX1 full-length ORF (ADR82784.1, 1 a.a. - 68 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	68 amino acids
Description	This gene encodes a copper chaperone that plays a role in copper homeostasis by binding and transporting cytosolic copper to ATPase proteins in the trans-Golgi network for later incorporation to the ceruloplasmin. 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. [provided by RefSeq, Jul 2008]
Molecular Mass	7.5 kDa
AA Sequence	MPKHEFSVDM TCGGCAEAVS RVLNKLGGVK YDIDLPNKKV CIESEHSMDD LLATLKKTGK TVSYLGLG
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name ATOX1 ATX1 antioxidant protein 1 homolog (yeast) [Homo sapiens]

Official Symbol ATOX1

Synonyms ATOX1; ATX1 antioxidant protein 1 homolog (yeast); ATX1 (antioxidant protein 1, yeast) homolog 1; copper transport protein ATOX1; HAH1; metal transport protein ATX1; ATX1; MGC138453; MGC138455

Gene ID 475

mRNA Refseq NM_004045

Protein Refseq NP_004036

MIM 602270

UniProt ID O00244

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