

Full-Length

ATOX1 (Human) Recombinant Protein

Catalog # P3737

Size 100 ug

Specification

Product Description	Human ATOX1 (NP_004036.1) full-length recombinant protein expressed in yeast.
Sequence	MPKHEFSVDMTCGGCAEAVSRVLNKLGGVKYDIDLPNKKVCIESEHSMDTLLATLKKTGKTVSYL GLE
Host	Yeast
Theoretical MW (kDa)	7.39
Form	Liquid
Preparation Method	Yeast expression system
Purification	Affinity Purification
Purity	90%
Storage Buffer	In 50 mM HEPES, 100mM NaCl, pH 7.5 (30% glycerol, 30 mM Glutathione, 0.5% TritonX-100, 1 mM dithiothreitol)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — ATOX1

Entrez GeneID	475
Protein Accession#	NP_004036.1

Gene Name	ATOX1
Gene Alias	ATX1, HAH1, MGC138453, MGC138455
Gene Description	ATX1 antioxidant protein 1 homolog (yeast)
Omim ID	602270
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	antioxidant protein 1 copper transport protein metal transport protein

Disease

- [Genetic Predisposition to Disease](#)
- [Hepatolenticular Degeneration](#)