9051 Mira Mesa Blvd, #910094
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ATOX1 Human

Copper Transport Protein ATOX1 Human Recombinant
RCP0137

Product Overview

Name	ATOX1 Human
Description	
Copper Transport Protein ATOX1 Human Recombinant	
Accession (Primary)	O00244
Synonyms	
Antioxidant protein 1, ATX1, HAH1, Copper transport protein ATOX1, Metal transport protein ATX1, ATOX1, MGC138453, MGC138455.	
Introduction	
ATOX1 is a metal transport protein that is part of the ATX1 family. ATOX1 is a copper chaperone that takes part in cellular antioxidant defense and can bind and deliver cytosolic copper to the copper ATPase proteins in the trans-Golgi network for later incorporation to the ceruloplasmin. ATOX1 plays a role as an antioxidant against superoxide and hydrogen peroxide, and consequently, takes an important part in cancer carcinogenesis. Because of ATOX1 cytogenetic location, the gene can be a good a candidate gene for 5q-syndrome.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
ATOX1 solution containing 20mM Tris pH-8, 1mM DTT and 10% glycerol.	
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). Please prevent freeze thaw cycles.	
Purity	
Greater than 95% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MPKHEFSVDM TCGGCAEAVS RVLNKLGGVK YDIDLPNKKV CIESEHSMDT LLATLKKTGK TVSYLGLE.	
Precautions	

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ATOX1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O00244)