

Atosiban

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HRM0005

Product Overview

Name Atosiban

Description

Atosiban

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 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

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

