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ADAM10 Human, Sf9

A Disintegrin and Metalloproteinase Domain 10 Human Recombinant, Sf9
RCP0013

Product Overview

Name	ADAM10 Human, Sf9

Description

A Disintegrin and Metalloproteinase Domain 10 Human Recombinant, Sf9

Accession (Primary)	O14672

Synonyms

Meltrin alpha, MCMP, MLTN, MLTNA, MCMPMltna, ADAM metallopeptidase domain 12, ADAM 12, ADAM12.

Introduction

ADAM12 is part of the A Disintegrin and Metalloprotease protein family wjich are membrane-anchored proteins structurally related to snake venom disintegrins, and are involved in a range of biological processes concerning cell-cell and cell-matrix interactions, including fertilization, muscle development, and eurogenesis. ADAM12 has 2 alternatively spliced transcripts, a shorter/soluble secreted form called S-isoform and a longer membrane-bound form call L isoform. The S isoform is found to stimulate myogenesis. The short & soluble isoform lacks the transmembrane and cytoplasmic domains. ADAM12 S Isoform expression is limited to the placenta, embryo and foetus although levels have been detected in some tumour cell lines. ADAM12 takes part in skeletal muscle regeneration, specifically at the onset of cell fusion. ADAM12 is involved in macrophage-derived giant cells (MGC) and osteoclast formation from mononuclear precursors (by similarity).

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The ADAM12 solution contains 25mM Sodium Acetate pH 4.8 and 50% 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). Avoid multiple freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Precautions

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ADAM10 Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O14672)