

AMBP Human

Microglobulin Alpha-1 Protein Human
NTP0004

Product Overview

Name AMBP Human

Description

Microglobulin Alpha-1 Protein Human

Accession (Primary) [P02760](#)

Synonyms

Adenosylmethionine decarboxylase 1, S-adenosylmethionine decarboxylase proenzyme, AdoMetDC, S-adenosylmethionine decarboxylase 1, SAMDC, AMD, EC 4.1.1.50.

Introduction

Adenosylmethionine decarboxylase proenzyme (AMD1) is synthesized originally as an inactive proenzyme. Putrescine stimulates both the proenzyme processing and the catalytic activity. The catalytic activity is inhibited by iodoacetic acid. The active enzyme formation entails a self-maturation process in which the active site pyruvoyl group is produced from an internal serine residue using an autocatalytic post-translational modification.

Source

E.coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The AMD1 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% 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 80% as determined by SDS-PAGE.

Amino acid sequence

GSSHHHHHH SSSLVPRGSH MGSHM SSMFV SKRRFILKTC GTTLLKALV PLLKLARDYS GFDSIQSFFY
SRKNFMKPSH QGYPHRNFQE EIEFLNAIFP NGAAAYCMGRM NSDCWYLYTL DFPESRVISQ PDQTLEILMS
ELDPVMDQF YMKDGVTAKD VTRESGIRD LIPGVIDATM FNPCGYSMNG MKSDGTYWTI HITPEPEFSY
VSFETNLSQT SYDDLIRKVV EVFKPGKFVT TLFVNQSSKC RTVLASPQKI EGFKRLDCQS AMFNDYNFVF

TSFAKKQQQQ QS

Precautions

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

Target Information: ([P02760](#))