9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

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 SSGLVPRGSH MGSHM SSMFV SKRRFILKTC GTTLLLKALV PLLKLARDYS GFDSIQSFFY SRKNFMKPSH QGYPHRNFQE EIEFLNAIFP NGAAYCMGRM NSDCWYLYTL DFPESRVISQ PDQTLEILMS ELDPAVMDQF YMKDGVTAKD VTRESGIRDL IPGSVIDATM FNPCGYSMNG MKSDGTYWTI HITPEPEFSY VSFETNLSQT SYDDLIRKVV EVFKPGKFVT TLFVNQSSKC RTVLASPQKI EGFKRLDCQS AMFNDYNFVF	

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Precautions

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

Target Information: (P02760)