
Product Data Sheet

Product Name: MMAB Human
 Cat. No.: GP21925
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CBIB; Cob(I)alamin adenosyltransferase; EC 2.5.1.17.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MQSRGPQGVE DGDRPQPSSK TPRIPKIYTK TGDKGFSSTF TGERRPKDDQ VFEAVGTTDE LSSAIGFALE LVTEKGHTFA EELQKIQCTL QDVGSALATP CSSARE AHLK YTTFKAGPIL ELEQWIDKYT SQLPPLTAFI LPSGGKISSA LHFCRAVCRR AERRVPLVQ MGETDANVAK FLNRLSDYLF TLARYAAMKE GNQEKIYKKN DPSAESEGL.		
Formulation	MMAB 1mg/ml protein solution contains 20mM Tris pH-7.5 & 10% glycerol.		

Introduction

MMAB protein catalyzes the last step in the conversion of vitamin B(12) into adenosylcobalamin (AdoCbl), a vitamin B12 containing coenzyme for methylmalonyl-CoA mutase(MCM). Decreased MMAB activity leads to the inherited disorder vitamin B12 dependent methylmalonic aciduria linked to the cblB complementation group.

Stability

MMAB Human although stable at 4°C for 1 week, should be stored below -18°C . Please prevent freeze thaw cycles.

Background

MMAB Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 239 amino acids (33-250 a.a.) and having a molecular mass of 26.3 kDa. The MMAB is fused to 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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