

EIF2S1 Antibody

*Eukaryotic Translation Initiation Factor 2 Subunit 1 Alpha, Mouse Anti Human
ABM0221*

Product Overview

Name EIF2S1 Antibody

Description

Eukaryotic Translation Initiation Factor 2 Subunit 1 Alpha, Mouse Anti Human

Synonyms

Eukaryotic translation initiation factor 2 subunit 1, Eukaryotic translation initiation factor 2 subunit alpha, eIF-2-alpha, EIF-2alpha, EIF-2A, EIF2, EIF-2, EIF2A, EIF-2A.

Introduction

EIF2S1 participates in the premature steps of protein synthesis by forming a ternary complex with GTP and initiator tRNA which binds to a 40S ribosomal subunit, followed by mRNA binding to create a 43S pre-initiation complex. Junction of the 60S ribosomal subunit to form the 80S initiation complex is preceded by hydrolysis of the GTP bound to eIF-2 and release of an eIF-2-GDP binary complex. In order for eIF-2 to recycle and catalyze another round of initiation, the GDP bound to eIF-2 should exchange with GTP by way of a reaction catalyzed by eIF-2B.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

0.5mg/ml solution containing 20mM Tris-HCl pH-8, 0.1M NaCl & 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). Avoid multiple freeze-thaw cycles.

Purity

Greater than 85% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSSLVPRGSH MPGLSCRFYQ HKFPEVEDVV MVNVRSAEM GAYVSLLEYN NIEGMILLSE
LSRRRIRISIN KLIRIGRNEC VVIRVDKEK GYIDLSKRRV SPEEAIKCED KFTKSKTVYS ILRHVAEVL
YTKDEQLESL FQRTAWVFDD KYKRPYGAY DAFKHAVSDP SILDSLNE DEREVLINNI NRRLTPQAVK
IRADIEVACY GYEGIDAVKE ALRAGLNCST ENMPIKINLI APPRYVMTT TLERTEGLSV LSQAMAVIKE

KIEEKRGVFN VQMEPKVVTD TDETELARQM ERLERENAEV DGDDDAEEME AKAED

Precautions

EIF2S1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.