
Product Data Sheet

Product Name: ASNS Mouse
 Cat. No.: GP21419
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Glutamine-dependent asparagine synthetase; Asns; Asparagine synthetase.		
Amino Acid Sequence	MCGIWALFGS DDCLSVQCLS AMKIAHRGPD AFRFENVNGY TNCCFGFHRL AVVDPLFGMQ PIRVRKYPYL WLCYNGEIYN HKALQQRFEF EYQTNVDGEI ILHLYDKGGI EKTICMLDGV FAFILLDTAN KKVFLGRDITY GVRPLFKAMT EDGFLAVCSE AKGLVSLKHS TTPFLKVEPF LPGHYEVLDL KPNGKVASVE MVKYHHCTDE PLHAIYDSVE KLFPGFLET VKNNLRILFD NAIKKRLMTD RRIGCLLSGG LDSSLVAASL LKQLKEAQVQ YPLQTFAIGM EDSPDLLAAR KVANYIGSEH HEVLFNSEEG IQALDEVIFS LETYDITTVR ASVGMYLISK YIRKNTDSVV IFSGEGSDEL TQGYIYFHKA PSPEKAEES ERLKELYLF DVLRADRTTA AHGLELRVPF LDHRFSSYYL SLPPDMRIPK NGIEKLLRE TFEDCNLLPK EILWRPKEAF SDGITSVKNS WFKILQDYVE HQVDDEMMSA SQKFPFNTF KTKEGYFYRQ IFRHYPGRA DWLTHYWMPK WINATDPSAR TLTHYKS AAK AHHHHHH.		
Formulation	ASNS protein solution (0.25mg/ml) contains PBS (pH 7.4) and 40% glycerol.		

Introduction

Asparagine synthetase (ASNS) is a cytoplasmic enzyme that turns aspartate to asparagine and functions mostly in mammalian organs. ASNS is responsible for cell growth and its mRNA content is associated with changes in the cell cycle. ASNS may also play a role as a biomarker for ovarian cancer.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

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

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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.

Background

ASNS produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 567 amino acids (1-561a.a.) and having a molecular mass of 65.1 kDa. ASNS is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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