

## 32-6672: ASNS Mouse

**Alternative Name :** Glutamine-dependent asparagine synthetase, Asns, Asparagine synthetase.

### Description

Source: Sf9, Insect cells.

Sterile Filtered colorless solution.

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.

ASNS produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 567 amino acids (1-561 a.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.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** ASNS protein solution ( 0.25mg/ml ) contains PBS (pH 7.4) and 40% glycerol.

**Storage condition :** 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.

**Amino Acid :** MCGIWALFGS DDCLSVQCLS AMKIAHRGPD AFRFENVNGY TNCCFGFHRL AVVDPLFGMQ  
PIRVRKYPYL WLCYNGEIYN HKALQQRFEF EYQTNVDGEI ILHLYDKGGI EKTICMLDGV  
FAFILLDTAN KKVFLGRDTY GVRPLFKAMT EDGFLAVCSE AKGLVSLKHS TTPFLKVEPF  
LPGHYEVL DL KPNGKVASVE MVKYHHCTDE PLHAIYDSVE KLFPGFDLET VKNNLRILFD  
NAIKKRLMTD RRIGCLLSGG LDSSLVAASL LKQLKEAQVQ YPLQTFAIGM EDSPDLLAAR  
KVANYIGSEH HEVLFNSEEG IQALDEVIFS LETYDITTVR ASVGMYLISK YIRKNTDSVV  
IFSGEGSDEL TQGYIYFHKA PSPEKAEES ERLKELYLF DVLRADRTTA AHGLELRVPF  
LDHRFSSYYL SLPPDMRIPK NGIEKHLLRE TFEDCNLLPK EILWRPKEAF SDGITSVKNS  
WFKILQDYVE HQVDDMMMSA SQKFPFNTPT KTEGYFYRQ IFERHYPGRA DWLTHYWMPK  
WINATDPSAR TLTHYKS AAK AHHHHHHH.