

Product datasheet for PH301297

Asparagine synthetase (ASNS) (NM_001673) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ASNS MS Standard C13 and N15-labeled recombinant protein (NP_001664)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201297
Predicted MW:	64.4 kDa
Protein Sequence:	>RC201297 protein sequence Red=Cloning site Green=Tags(s)

MCGI WALFGSDDCLSVQCLSAMKIAHRGPDAFRFENVNGYTNCCFGHRLAVVDPLFGMQPIRVKKYPYL
WLCYNGEIYNHKKMQQHFEFYQTKVDGEIILHLYDKGGIEQTICMLDGVFAFVLLDTANKKVFLGRD
Y GVRPLFKAMTEDGFLAVCSEAKGLVTLKHSATPFLKVEPFLPGHYEVLDLKPNGKVASVEMVKYHHCRD
V PLHALYDNVEKLFPGFEIETVKNNLRILFNNAVKKRLMTRRIGCLLGGLDSSLVAATLLKQLKEAQVQ
YPLQTF AIGMEDSPDLLAARKVADHIGSEHYEVLFNSEEGIQALDEVIFSL ETYDITTVRASVGMYLISK
YIRKNTDSVVIFSGEGSDEL TQGYIYFHKAPSPEKAEESERLLRELYLFDVLRADRTTAAHGLELRV
PF LDHRFSSYYLSLPPEMRIPKNGIEKHLRET FEDSNLIPKEILWRPKEAFSDGITSVKNSWFKILQ
EYVE HQVDDAMMANAAQKFPFNTPKTKEGYRQVFERHYGRADWLSHYWMPKWINATDPSARTLTHYKSA
VKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001664
RefSeq Size:	2084
RefSeq ORF:	1683



[View online »](#)

Synonyms: ASNSD; TS11

Locus ID: 440

UniProt ID: [P08243](#)

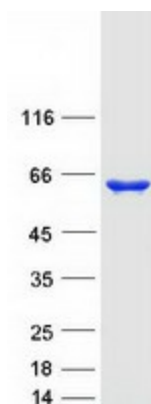
Cytogenetics: 7q21.3

Summary: The protein encoded by this gene is involved in the synthesis of asparagine. This gene complements a mutation in the temperature-sensitive hamster mutant ts11, which blocks progression through the G1 phase of the cell cycle at nonpermissive temperature. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, May 2010]

Protein Families: Druggable Genome

Protein Pathways: Alanine, aspartate and glutamate metabolism, Metabolic pathways, Nitrogen metabolism

Product images:



Coomassie blue staining of purified ASNS protein (Cat# [TP301297]). The protein was produced from HEK293T cells transfected with ASNS cDNA clone (Cat# [RC201297]) using MegaTran 2.0 (Cat# [TT210002]).