

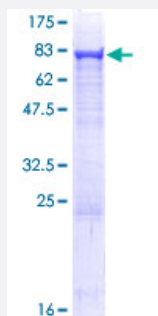
Full-Length

ASNS (Human) Recombinant Protein (P01)

Catalog # H00000440-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ASNS full-length ORF (NP_001664.2, 1 a.a. - 561 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MCGWALFGSDDCLSVQCLSAMKIAHRGPDAFRFENVNGYTNC CFGHRLAVVDPLFGMQPIRV
KKYPYLWLCYNGEYNHKKMQQHFEFEYQTKVDGEILHLYDKGGIEQTICMLDGVFAFVLLDTANK
KVFLGRD TYGVRPLFKAMTEDGFLAVCSEAKGLVTLKHSATPFLKVEPFLPGHYEVL DLKPNGKV
ASVEMVKYHHCRDEPLHALYDNVEKLFPGFEIETVKNNLRILFNNAVKKRLMTDRRIGCLLSGGLD
SSLVAATLLKQLKEAQVQYPLQTFAIGMEDSPDLLAARKVADHIGSEHYEVL FNSEEGIQALDEVIF
SLETYDITVRASVGMYLISKYIRKNTDSVVIFSGEGSDEL TQGYFHKAPSPEKAEESERLLREL
YLFVDVLRADRTTAAHGLELRVPFLDHRFSSYYLSLPPEMRIPKNGIEKHLLRETFEDSNLIPKEILWR
PKEAFSDGITSVKNSWFKILQEYVEHQVDDAMMANAAQKFPFNTPKTKEGYYYRQVFERHYPGR
ADWLSHYWMPKWINATDPSARTLTHYKSAVKA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

90.8

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ASNS

Entrez GeneID[440](#)**GeneBank Accession#**[NM_001673.2](#)**Protein Accession#**[NP_001664.2](#)**Gene Name**

ASNS

Gene Alias

TS11

Gene Description

asparagine synthetase

Omim ID[108370](#)**Gene Ontology**[Hyperlink](#)**Gene 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. There are three alternatively spliced transcript variants encoding the same protein described for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000024510|TS11 cell cycle control protein|glutamine-dependent asparagine synthetase

Pathway

- [Alanine](#)
- [Metabolic pathways](#)
- [Nitrogen metabolism](#)