

Product datasheet for TP301838

Asparagine synthetase (ASNS) (NM_183356) Human Recombinant Protein

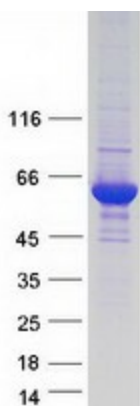
Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human asparagine synthetase (ASNS), transcript variant 3, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201838 protein sequence Red =Cloning site Green =Tags(s) MCGIWALFGSDDCLSVQCLSAMKIAHRGPDAFRFENVNGYTNCCFGFHRLAWDPLFGMQPIRVKKYPY L WLCYNGEIYNHKKMQQHFEFEYQTKVDGEIILHLYDKGGIEQTICMLDGVFAFVLLDTANKKVFLGRDTY GVRPLFKAMTEDGFLAVCSEAKGLVTLKHSATPFLKVEPFLPGHYEVLDLKPNGKVASVEMVKYHHCRDE PLHALYDNVEKLFPGFEIETVKNNLRILFNNAVKKRLMTDRRIGCLLSGGLDSSLVAATLLKQLKEAQVQ YPLQTFAIGMEDSPDLLAARKVADHIGSEHYEVLFNSEEGIQALDEVIFSLETYDITTVRASVGMYLISK YIRKNTDSVVIFSGEGSDELTQGYIYFHKAPSPEKAEESERLLRELYLFDVLRADRTTAAHGLELRVPF LDHRFSSYYLSLPPEMRIPKNGIEKHLLRETFEDSNLIPKEILWRPKEAFSDGITSVKNSWFKILQEYVE HQVDDAMMANAAQKFPFNTPKTKEGYYYRQVFERHYPGRADWLSHYWMPKWINATDPSARTLTHYKS AVK A TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	64.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.


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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_899199
Locus ID:	440
UniProt ID:	P08243
RefSeq Size:	2362
Cytogenetics:	7q21.3
RefSeq ORF:	1683
Synonyms:	ASNSD; TS11
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# TP301838). The protein was produced from HEK293T cells transfected with ASNS cDNA clone (Cat# [RC201838]) using MegaTran 2.0 (Cat# [TT210002]).