

## Product datasheet for TP319509

### FNIP2 (NM\_020840) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human folliculin interacting protein 2 (FNIP2), 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC219509 representing NM\_020840  
Red=Cloning site Green=Tags(s)

MAPTLLQKLFNKRGSSSGSSAAASAQGRAPKEGPAFSWSCSEFDLNEIRLIVYQDCDRRGRQVLFDSKAVQ  
 KIEEVTAQKTEDVPIKISAKCCQGSSSVSSSSSSSSSHSSSGSSHHAKEQLPKYQYTRPASDVNMLGE  
 MMFGSVAMSYKGSTLKIHYIRSPQLMISKVFSARMGSGFCGSTNNLQDSFEYINQDPNLGKLNNTQNSLG  
 PCRTGSNLAHSTPVDMPSRGQNEHDRDSGIARSASLSSLLITPFPSPSSSTSSSSSYQRRWLRSQTTSLEN  
 GIIPRRSTDETFLAEETCSSNPAMVRRKIAISIIIFSLCEKEEAQRNFQDFFFSHFPLFESHMNRKLSA  
 IEKAMISCRKIAESSLRVQFYVSRLEALGEFRGTIWNLYSVPRIAEPVWLTMMSGTLEKNQLCQRFLKE  
 FTLLIEQINKNQFFAALLTAVLTYHLAWVPTVMPVDHPPIKAFSEKRTSQSVNMLAKTHPYNPLWAQLGD  
 LYGAIGSPVRLTRTVVVGKQKDLVQRILYVLTFLRCSELQENQLTWSGNHGEDQVNLNGSKIITALEKG  
 EVEESEYVITVRNEPALVPPILPPTAAERHNPWPTGFPECEPGETSRDLGLKPDKEANRRPEQGSEACS  
 AGCLGPASDASWKPQNAFCGDEKNKEAPQDGSSRLPSCEVLGAGMKMDQQAVCELLKVEMPTRLPDRSVA  
 WPCPDRHLREKPSLEKVTQIGSFASPESEDFESRMKKMEERVKACGPSLEASEAADVAQDPQVSRSPFKP  
 GFQENVCCPNRLSEGDEGESDKGFAEDRGSRNDMAADIAGQLSHAADLGTASHGAGGTGGRRLEATRGL  
 YVKAIEGPVLEPVAPRCVQRGGLVAGANIPCGDDNKKANFRTEGDIPRNESSDSALGDSDDACASAML  
 DLGHGGDRTGGSLEVELPLRSQSISTQNVRFGRSLLAGYCPTYMPDLVLHGTGSDEKLKQCLVADLVH  
 TVHHPVLDEPIAEAVCIADTDKWSVQVATSQRKVTDNMKGQDVLVSSQVSSLLQSILQLYKLHLPADF  
 CIMHLEDRLQEMYLKSMLSEYLRGHTRVHVKELGVVLGIESNDLPLLLTAIASTHSPYVAQILL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

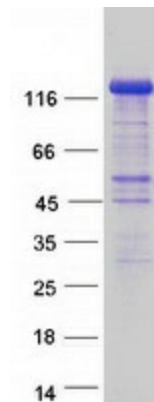
**Tag:** C-Myc/DDK  
**Predicted MW:** 121.9 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_065891</a>
<b>Locus ID:</b>	57600
<b>UniProt ID:</b>	<a href="#">Q9P278</a>
<b>RefSeq Size:</b>	5801
<b>Cytogenetics:</b>	4q32.1
<b>RefSeq ORF:</b>	3342
<b>Synonyms:</b>	FNIP1; MAPO1
<b>Summary:</b>	This gene encodes a protein that binds to the tumor suppressor folliculin and to AMP-activated protein kinase (AMPK), and may play a role cellular metabolism and nutrient sensing by regulating the AMPK-mechanistic target of rapamycin signaling pathway. The encoded protein may also be involved in regulating the O6-methylguanine-induced apoptosis signaling pathway. This gene has a closely related paralog that encodes a protein with similar binding activities. Both related proteins also associate with the molecular chaperone heat shock protein-90 (Hsp90) and negatively regulate its ATPase activity and facilitate its association with folliculin. [provided by RefSeq, Jul 2017]

### Product images:



Coomassie blue staining of purified FNIP2 protein (Cat# TP319509). The protein was produced from HEK293T cells transfected with FNIP2 cDNA clone (Cat# [RC219509]) using MegaTran 2.0 (Cat# [TT210002]).