

## Product datasheet for TP305829

### NPL4 (NPLOC4) (NM\_017921) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nuclear protein localization 4 homolog ( <i>S. cerevisiae</i> ) (NPLOC4), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205829 protein sequence Red=Cloning site Green=Tags(s)

MAESIIIRVQSPDGVKRITATKRETAATFLKKVAKEFGFQNNGFSVYINRNKTGEITASSNKSLNLLKIK  
HGDLLFLFPSSLAGPSSEMETSVPFGFKVFGAPNVVEDEIDQYLSKQDGKIYRSRDPQLCRHGPLGKCVH  
CVPLEPFDEEDYLNHLEPPVKHMSFHAYIRKLTGGADKGGKFALENISCKIKSGCEGHPWPNGICTKCQP  
SAITLNRQKYRHVDNIMFENHTVADRFLDFWRKTGNQHFGYLYGRYTEHKDIPLGIRAEVAIYEPPIG  
TQNSLELLEDPKAEVVDEIAAKLGLRKVGWIFTDLVSEDTRKGTVRYSRNKDITYLSSEECITAGDFQNK  
HPNMCRLSPDGHFGSKFVTAVATGGPDNQVHFEGYQVSNQCMALVRDECLLPCKDAPELGYAKESSEQY  
VPDVFYKDVDKFGNEITQLARPLPVEYLIIDITTTFPKDPVYTFISQNPFIENRDVLGETQDFHSLAT  
YLSQNTSSVFLDTISDFHLLLFLVTNEVMPLQDSISLLEAVRTRNEELAQTWKRSEQWATIEQLCSTVG  
GQLPGLHEYGAVGGSTHTATAAMWACQHCTFMNQPGTGHCCEMCSLPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

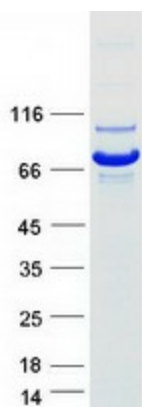
Tag:	C-Myc/DDK
Predicted MW:	67.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



[View online »](#)

<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_060391</a>
<b>Locus ID:</b>	55666
<b>UniProt ID:</b>	<a href="#">Q8TAT6</a> , <a href="#">A0A024R8R4</a>
<b>RefSeq Size:</b>	4401
<b>Cytogenetics:</b>	17q25.3
<b>RefSeq ORF:</b>	1824
<b>Synonyms:</b>	NPL4
<b>Summary:</b>	The ternary complex containing UFD1, VCP and NPLOC4 binds ubiquitinated proteins and is necessary for the export of misfolded proteins from the ER to the cytoplasm, where they are degraded by the proteasome. The NPLOC4-UFD1-VCP complex regulates spindle disassembly at the end of mitosis and is necessary for the formation of a closed nuclear envelope (By similarity). Acts as a negative regulator of type I interferon production via the complex formed with VCP and UFD1, which binds to DDX58/RIG-I and recruits RNF125 to promote ubiquitination and degradation of DDX58/RIG-I (PubMed:26471729).[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified NPLOC4 protein (Cat# TP305829). The protein was produced from HEK293T cells transfected with NPLOC4 cDNA clone (Cat# [RC205829]) using MegaTran 2.0 (Cat# [TT210002]).