

Product datasheet for **TP509040**

Nploc4 (NM_199469) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse NPL4 homolog, ubiquitin recognition factor (Nploc4), transcript variant B, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209040 protein sequence Red =Cloning site Green =Tags(s)

MAESIIIRVQSPDGVKRITATKRETAATFLKKAKEFGFQNGFSVYINRNKTGEITASSKSLHLLKIK
HGDLLFLFPSSLAGPSSEMETSTSVGLKAFGAPNVVEIDQYLSKQDGKIYRSDPQLCRHGKPLGKCVH
CVPLEPFDEEDYLNHLEPPVKHMSFHAYIRKLTGGADKGFVALENISCKIKSGCEGHPWPNGICTKCQP
SAITLNRQKYRHVDNIMFENHTVADRFLDFWRKTGNQHFGYLYGRYTEHKDIPLGIRAEVAAIYEPPIQIG
TQNSLELLEDPKAEVWDEIAAKLGLRKVGWIFDLVSEDTRKGTVRYSRNKDITYFLSSEECITAGDFQNK
HPNICRLSPDGHFGSKFVTAVATGGPDNQVHFEGYQVSNQCMALVRDECLLPCKDAPELGYAKESSEQY
VPDVFYKDIDKFGNEITQLARPLPVEYLIIDDFHSLATYLSQNTSSVFLDTISDFHLLFLVTNEVMPLQ
DSISLLEAVRTRNEELAQTWKKSEQWATIEQLCSTVGVQLPGLHEFGAVGGSARAATSAMWACQHCTFM
NQPGTGHCEMCSLPRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	64.4 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_955763](#)

Locus ID: 217365

UniProt ID: [P60670](#)

RefSeq Size: 4589

Cytogenetics: 11 E2

RefSeq ORF: 1731

Synonyms: AK129375; mKIAA1499; Npl4

Summary: 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 (By similarity).[UniProtKB/Swiss-Prot Function]