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Product datasheet for MC202520

Nploc4 (NM_199469) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nploc4 (NM_199469) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nploc4
Synonyms:	AK129375; mKIAA1499; Npl4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC065156 sequence for NM_199469

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GGCACTGGCGGAGCCGGGCGGCGAAGCTGGAGCGGCGGTGGCGGCGGCGGCGGGAGGCCGGGGCCGGGGC
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AAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI

ACCN: NM_199469

Insert Size: 1731 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC065156, AAH65156
RefSeq Size:	4008 bp
RefSeq ORF:	1731 bp
Locus ID:	217365
UniProt ID:	P60670
Cytogenetics:	11 E2
Gene 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] Transcript Variant: This variant (B) lacks an in-frame exon in the coding region, compared to variant A. This results in a shorter protein (isoform B), compared to isoform A. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.