

Product datasheet for **MC225471**

Alms1 (NM_145223) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Alms1 (NM_145223) Mouse Untagged Clone
Tag: Tag Free
Symbol: Alms1
Synonyms: bbb
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225471 representing NM_145223
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

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AGGAAGAGGAGGGGAAGAAAGAGGTGGAGAACGCCTCGGCGGCGGACCGAGGAGGCCCTGACCTCTGA
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 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_145223
- Insert Size:** 9756 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:** [NM_145223.2](#), [NP_660258.2](#)
- RefSeq Size:** 10005 bp
- RefSeq ORF:** 9756 bp
- Locus ID:** 236266
- UniProt ID:** [Q8K4E0](#)
- Cytogenetics:** 6 C3

Gene Summary:

Involved in PCM1-dependent intracellular transport. Required, directly or indirectly, for the localization of NCAPD2 to the proximal ends of centrioles. Required for proper formation and/or maintenance of primary cilia (PC), microtubule-based structures that protrude from the surface of epithelial cells (By similarity).[UniProtKB/Swiss-Prot Function]