

Product datasheet for MC212697

Ska3 (NM_198605) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ska3 (NM_198605) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ska3
Synonyms: F630043A04Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212697 representing NM_198605
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAACCCATCCAGAGTTTCCACTGTAAGCTGCGGGTCTGGCCACCACGCTGGACAGCGAGACGGCCC
GGCTGCTGAGAGCGCTGGACGGCGAGGACAGCGACTTTGAAGATTCTCCAGGGAGAATTTTGCATGACCT
TCATTCAGAAGTCCAGACTCTAAAGGATAATGTTAATGCTCTTTCGATGAAGCAAGATTGGAGAACC
GAAAGCACAAGGTTCAAAAAGGCAAAAAATACTGATGGAAAAAACTCAGCAGACGTCAGAAAACAA
GAGAGTTTTTCCAGAAGTATGGCTACCAAGCGCTGACAAGGAGGATTACGGCTGTGAGCACAGAGTGAA
CAACTCCACCCAGAGTTAGCTGTGTGTAAGACATTCAAAGGCCGGTGTGAAGGAGCTGTCTGATCCC
TGTGTTCCGAGCGTTCTGTTTCTGAAGAGCCTCTGCGAAGCCCACAGCTCTCAGACTTTGGACTTCAGC
GGTACATAATTTCCCAAGTCCCAGCCAACCTCCCCAGACAGCTGCCAGCCTCAAAGAAGAACGTGTAGC
TGAGACCCCTCTGCCAAAGACCCCTCTGTTCAAGTGCTGAAGACCCCGCGGTGTGCTCTAAGGATGGAT
GATTTTGAGTGTGAACTCCTAAATTAGAACACTTTGGTATATCTGAACATACTATGTGTTTAAATGAAG
ATTACACAATGGGACTTAAAAATGAAGAACATTAAGTTCCCTTTTGAGTGGTGTGAGTGGAGAAC
CATAGGAAGTGGCCTGTGACCAGTGATAATTCTTTTGCCATTCCCTGGTCCCATAATCCAGCAGATGGAA
GAAAACGATGTGGAATACGTAAGTTCACCATTCACCACTAAATTCGCACTCCTGGTTTAAAAATCCTT
CTACAATGGACAGAACAGATTTGGTATCTATAGATTATCCACTATCAAAGCCAAATAGTTCATCAACTGA
TTTGAAATTAAGATTGTGTTCCGTTAATTTAAATTCAGATGAATGCTATCAGAGTTTGCAGAGCCC
CCTTCTCAGCAATTACTTCTGTGAAAATTTGCAACACCATCTCCTCCGAAAGTACTGCGATTCCAG
AAGACATTCAGATGATAACAAAGCACAGCTCAAACCTAGCTTCTCCCTGGATGTTAAAGTATGCC
ACGGAGGAAGGGCACCCGAGCGCTGCCAACAAGGAAAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_198605
Insert Size:	1236 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:	<ol style="list-style-type: none">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_198605.3 , NP_941007.1
RefSeq Size:	2260 bp
RefSeq ORF:	1236 bp
Locus ID:	219114
UniProt ID:	Q8C263
Cytogenetics:	14 C3
Gene Summary:	Component of the SKA1 complex, a microtubule-binding subcomplex of the outer kinetochore that is essential for proper chromosome segregation. The SKA1 complex is a direct component of the kinetochore-microtubule interface and directly associates with microtubules as oligomeric assemblies. The complex facilitates the processive movement of microspheres along a microtubule in a depolymerization-coupled manner. In the complex, it mediates the microtubule-stimulated oligomerization. Affinity for microtubules is synergistically enhanced in the presence of the ndc-80 complex and may allow the ndc-80 complex to track depolymerizing microtubules.[UniProtKB/Swiss-Prot Function]