

Product datasheet for **MC226218**

Hax1 (NM_001282032) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hax1 (NM_001282032) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hax1
Synonyms: HAX-1; Hs1bp1; HSP1BP-1; mHAX-1s; SIG-111; Silg111
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226218 representing NM_001282032
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGCGTCTTTGATCTTTCCGAGGCTTTTCGGCTTCTCGGACCTCGGAGCCACAGAGATCCTTTT
TTGGAGGGATGACTCGAGATGATGACGACGATGATGATGATGATGACGAAGCGGAGGAAGACAGAGGCGC
GTGGGGTCGAGAGAGCTATGCGTTTGTGGTTCTCAGCCTCCAGAGGAATTCGGTTTCAGCTTCAGCCCC
AGGGGAGGGATGCGATTCCACGGCAACTTTGGCTTTGATGATCTATTGGATGATACATGGCTGTGAGTC
CCCATTCTAGAGCCAAAGAGGACAAAGATCTTGACTCCCAGGTTTCCCAGGAAGGTCTGGGTCCACTTCT
TCAACCCAGCCCAAATCGTATTTCAAAGTATCTCTGTGACCAAGATCACTAAGCCAGATGGGACAGTG
GAGGAACGCCGACTGTGGTAGACAGTGAGGGCCGGAGGGAGACCACAGTGACCCATCAAGAAGCCCATG
ACAGTTCCAGAAGTGATCCAGACTCTCAGAGATCTTCAGCTTTGGATGATCCCTTTTCCATTCTGGATT
GCTACTAGGACGTTGGTTTCGGTCCCGA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001282032
Insert Size: 591 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).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001282032.1</u> , <u>NP_001268961.1</u>
RefSeq Size:	923 bp
RefSeq ORF:	591 bp
Locus ID:	23897
Cytogenetics:	3 F1
Gene Summary:	<p>Recruits the Arp2/3 complex to the cell cortex and regulates reorganization of the cortical actin cytoskeleton via its interaction with KCNC3 and the Arp2/3 complex. Slows down the rate of inactivation of KCNC3 channels. Promotes GNA13-mediated cell migration. Involved in the clathrin-mediated endocytosis pathway. May be involved in internalization of ABC transporters such as ABCB11. May inhibit CASP9 and CASP3. Promotes cell survival. May regulate intracellular calcium pools.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site and exon in the coding region, but maintains the reading frame compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p>