

Product datasheet for MR228429

Hax1 (NM_001282032) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hax1 (NM_001282032) Mouse Tagged ORF Clone
Tag: Myc-DDK
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
ORF Nucleotide Sequence: >MR228429 representing NM_001282032
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCGTCTTTGATCTTTCCGAGGCTTTTTCGGCTTCTCGGACCTCGGAGCCACAGAGATCCTTTT
 TTGGAGGGATGACTCGAGATGATGACGACGATGATGATGATGATGACGAAGCGGAGGAAGACAGAGGCGC
 GTGGGGTCGAGAGAGCTATGCGTTTGTGGTTCTCAGCCTCCAGAGGAATTCGGTTTCAGCTTCAGCCCC
 AGGGGAGGGATGCGATTCCACGGCAACTTTGGCTTTGATGATCTATTGGATGATACATGGCCTGTGAGTC
 CCCATTCTAGAGCCAAAGAGGACAAAGATCTTGACTCCCAGGTTTCCCAGGAAGGTCTGGGTCCACTTCT
 TCAACCCAGCCCAAATCGTATTTCAAAGTATCTCTGTGACCAAGATCACTAAGCCAGATGGGACAGTG
 GAGGAACGCCGCACTGTGGTAGACAGTGAGGGCCGGAGGGAGACCACAGTGACCCATCAAGAAGCCCATG
 ACAGTTCAGAAGTGATCCAGACTCTCAGAGATCTCAGCTTTGGATGATCCCTTTTCCATTCTGGATT
 GCTACTAGGACGTTGGTTTCGGTCCCGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228429 representing NM_001282032
 Red=Cloning site Green=Tags(s)

MSVFDLFRGFFGFPGPRSHRDPFFGGMTRDDDDDDDEAEEDRGAWGRESYAFDGSQPPEEFGFSFSP
 RGMRFHGNFGFDDLLDDTWPVSPHSRAKEDKDLDSQVSQEGLPQLLPQPKSYFKSISVTKITKPDGTV
 EERRTVVDSEGRRETTVTHQEAHDSRSDPDSQRSSALDDPFILDLLLGRWFRSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

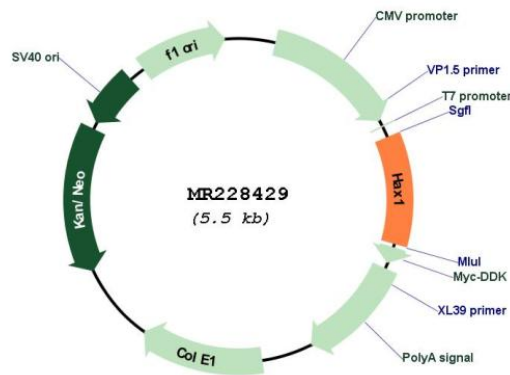


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001282032

ORF Size: 588 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001282032.1](#), [NP_001268961.1](#)

RefSeq Size: 923 bp

RefSeq ORF: 591 bp

Locus ID: 23897

Cytogenetics: 3 F1

MW: 22.7 kDa

Gene Summary: 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]