

Product datasheet for MR203783

Hax1 (NM_011826) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hax1 (NM_011826) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hax1
Synonyms:	HAX-1; Hs1bp1; HSP1BP-1; mHAX-1s; SIG-111; Silg111
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203783 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGTCTTTGATCTTTCCGAGGCTTTTCGGCTTTCCTGGACCTCGGAGCCACAGAGATCCTTTT
TTGGAGGGATGACTCGAGATGATGACGACGATGATGATGATGATGACGAAGCGGAGGAAGACAGAGGCGC
GTGGGGTCGAGAGAGCTATGCGTTTGGTTCTCAGCCTCCAGAGGAATTCGGTTTCAGCTTCAGCCCC
AGGGGAGGGATGCGATTCACGGCAACTTTGGCTTTGATGATCTAGTACGAGATTTAATAGCATCTTCA
GCGAGATGGGGGCTGGACCTTGCCTTCCCACTCTCCTGAACTTCCAGGTCTGAGTCAGAAACACCTGG
TGAGAGACTGCGGGAGGGGAGACACTACGAGACTCAATGCTTAAGTACCCAGATAGTCACCAACCCAGG
ATCTTTGAGGGGGTCTTGAGAGTCATGCAAAACCTGAATCCCCAAAACCCAGCTCCAGATTGGGGTTCGC
AGGGACCTTTTCATAGGTTGGATGATACATGGCCTGTGAGTCCCCATTCTAGAGCCAAAGAGGACAAAGA
TCTTGACTCCCAGGTTTCCAGGAAGGTCTGGTCCACTTCTTCAACCCAGCCAAATCGTATTTCAA
AGTATCTCTGTGACCAAGATCACTAAGCCAGATGGGACAGTGGAGGAACGCCGACTGTGGTAGACAGTG
AGGGCCGAGGGAGACCACAGTGACCCATCAAGAAGCCCATGACAGTTCAGAAAGTATCCAGACTCTCA
GAGATCTTCAGCTTTGGATGATCCCTTTCCATTCTGGATTGCTACTAGGACGTTGGTTTCGGTCCCGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203783 protein sequence
 Red=Cloning site Green=Tags(s)

MSVFDLFRGFFGFPGPRSHRDPFFGGMTRDDDDDDDDDEAEEDRGAWGRESYAFDGSQPPEEFGFSFSP
 RGGMRFHGNFGFDDLVRDFNSIFSEMGAWLPSHSPELPGPESETPGERLREGQTLRDSMLKYPDSSHQPR
 IFEGVLESHAKPESPKPAPDWGSQGPFFHRLDDTWPVSPHSRAKEDKDLDSQVSEQLEGLPLLQPQPKSYFK
 S.ISVTKITKPDGTVEERRTVVDSEGRRET TVTHQEAHSSRSDPDSQRSSALDDPPFSILDLLLGRWFRSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_011826

ORF Size: 843 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_011826.4](#), [NP_035956.1](#)

RefSeq Size: 1175 bp

RefSeq ORF: 843 bp

Locus ID: 23897

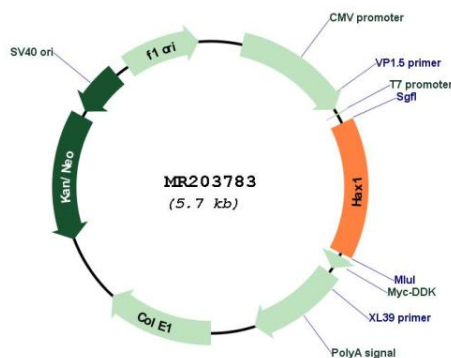
UniProt ID: [O35387](#)

Cytogenetics: 3 F1

MW: 31.7 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]

Product images:



Circular map for MR203783