

## Product datasheet for **MG203779**

### Hax1 (BC006688) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hax1 (BC006688) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hax1
Synonyms:	HAX-1, mHAX-1s, SIG-111
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203779 representing BC006688 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGAGCGTCTTTGATCTTTCCGAGGCTTTTCGGCTTTCCTGGACCTCGGAGCCACAGAGATCCTTTT  
TTGGAGGGATGACTCGAGATGATGACGACGATGATGATGATGATGACGAAGCGGAGGAAGACAGAGGCGC  
GTGGGGTCGAGAGAGCTATGCGTTTGTGGTTCTCAGCCTCCAGAGGAATTCGGTTTCAGCTTCAGCCCC  
AGGGGAGGGATGCGATTCCACGGCAACTTTGGCTTTGATGATCTAGTACGAGATTTAATAGCATCTTCA  
GCGAGATGGGGGCTGGACCTTGCCTTCCACTCTCCTGAACTTCCAGGTCTGAGTCAGAAACACCTGG  
TGAGAGACTGCGGGAGGGGAGACACTACGAGACTCAATGCTTAAGTACCCAGATAGTCACCAACCCAGG  
ATCTTTGAGGGGGTCTTGAGAGTCATGCAAAACCTGAATCCCCAAAACCCAGCTCCAGATTGGGGGTCCG  
AGGGACCTTTTCATAGGTTGGATGATACATGGCCTGTGAGTCCCCATTCTAGAGCCAAAGAGGACAAAGA  
TCTTGACTCCCAGGTTTCCAGGAAGGTCTGGTCCACTTCTTCAACCCAGCCAAATCGTATTTCAA  
AGTATCTCTGTGACCAAGATCACTAAGCCAGATGGGACAGTGGAGGAACGCCGACTGTGGTAGACAGTG  
AGGGCCGAGGGAGACCACAGTGACCCATCAAGAAGCCCATGACAGTTCAGAAAGTATCCAGACTCTCA  
GAGATCTTCAGCTTTGGATGATCCCTTTCCATTCTGGATTGCTACTAGGACGTTGGTTTCGGTCCCGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203779 representing BC006688  
Red=Cloning site Green=Tags(s)

MSVFDLFRGFFGFPGPRSHRDPFFGGMTRDDDDDDDDDEAEEDRGAWGRESYAFDGSQPPEEFGFSFSP  
 RGGMRFHGNFGFDDLVRDFNSIFSEMGAWLPSHSPELPGPESETPGERLREGQTLRDSMLKYPDSHQPR  
 IFEGVLESHAKPESPKPAPDWGSQGPFFHRLDDTWPVSPHSRAKEDKDLDSQVSEQEGLGPLLQPQPKSYFK  
 SISVTKITKPDGTVEERRTVVDESEGRRET TVTHQEAHSSRSDPDSQRSSALDDPF SILDLLLGRWFRSR

TRTRPLE - GFP Tag - V

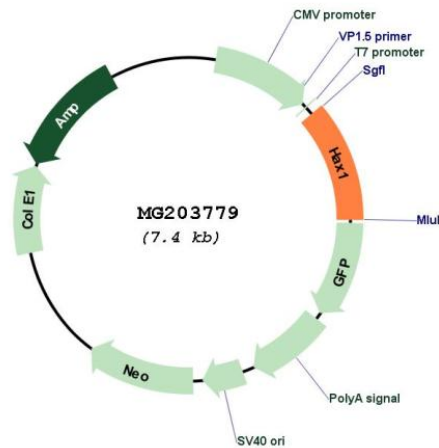
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** BC006688

**ORF Size:** 842 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC006688</a> , <a href="#">AAH06688</a>
<b>RefSeq Size:</b>	1077 bp
<b>RefSeq ORF:</b>	842 bp
<b>Locus ID:</b>	23897
<b>Cytogenetics:</b>	3 F1
<b>Gene Summary:</b>	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]