

Product datasheet for **MG219293**

Akp3 (NM_007432) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akp3 (NM_007432) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Akp3
Synonyms:	Akp-3; dIAP; IAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG219293 representing NM_007432
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGGCACCTGGGTGCTGCTGCTGGCCCTCAGGCTACAGCTGTCCCTTAGTGTCATTCCAGTGG
 AGGAGGAGAACC CGCCTTCTGGAACAAGAAGGCAGCCGAGGCCCTGGATGCTGCCAAGAAGCTGCAGCC
 CATTTCAGACATCAGCTAAGAACCCTCATCATCTTCTGGGTGACGGGATGGGGGTACCAACAGTGACAGCC
 ACCAGGATCCTAAAGGGACAGTTGGAAGGTCATCTAGGACCTGAGACACCCCTAGCCATGGACCGCTTCC
 CATATATGGCTCTGTCCAAGACATACAGTGTGGACAGACAGGTTCCAGACAGTGAAGCAGGCCACCGC
 CTACCTGTGTGGGGTCAAGACCACTACAAGACCATCGGCGTGAGCGCAGCCGCGAGATTCGACCAGTGC
 AACACCACATTTGGCAATGAGGTCTTCTCAGTGATGTACCGTGCCAAGAAAGCAGGAAAAATCCGTAGGTG
 TGGTGACCACCACAGAGTGCAGCACGCCTCTCCCTCGGGCACATATGTTACACAGTGAACCGCAATTG
 GTATGGGGATGCTGACATGCCTGCCTCTCGGCTCGGGAAAGGTTGCAAGGACATTGCTACACAACATCATC
 TCCAACATGGACATTAATGTGATCCTTGGTGGGGGCCGAAAATACATGTTTCTGCTGGAACCCAGACC
 CCGAGTATCCAAATGATGCTAATGAGACTGGAACCAGATTGGATGGCAGGAATCTGGTGCAGGAATGGCT
 GTCAAAGCACCAGGGATCCCAGTATGTTTGAATCGTGAACAACCTATTGAGAAGGCCAGGATCCGTCA
 GTGACATACCTCATGGGCCTCTTTGAGCCTGTAGACACAAAATTTGATATTCAACGAGATCCCCTGATGG
 ACCCATCTCTGAAGGATATGACAGAGGCCGCGGTGAAAGTGCTAAGCAGGAACCCCAAAGGCTTTTATCT
 CTTTGTGGAGGGGGCCGAATCGACCGTGGTACCATCTGGGCACAGTTATCTGGCGTGACTGAGGCT
 GTGATGTTGACTTAGCCATCGAGAGGGCCAGCCAGCTCACTAGTGAACGCGACACTCTGACCATAGTCA
 CTGCTGACCACTCCCATGTCTTCTCCTTTGGTGGCTACACACTCGAGGGACCTCCATCTCGGGCTGGC
 TCCCTCAATGCTCTGGACGGCAAGCCCTACACCTCCATCCTGTATGGCAACGGCCAGGCTATGTCGGT
 ACAGGGGAAAGACCCAACGTACCCGCGCTGAAAGCAGTGGCTCATCGTACCGGCAGCAGGCTGCTGTGC
 CGGTGAAGTGGAGACCCACGGCGGGGAGGACGTGGCGATATTCGCGCGTGGCCCGCAGGCGCACTTGCT
 GCACGGGGTGCAGGAGCAGAACTACATCGCGCACGTGATGGCCTTCGACGGCTGCCTGGAGCCCTACACC
 GACTGCGGCTTGGCACCCCTGCAGATGAAAGCCAGACCACCACGACAACCCGCCAGACCACCATCACCA
 CCACCACCACCACCACCACAACCACCCCGGTCCATAACAGCGCCAGAAGCTGGGCCAGCCAC
 CGCCCCGCTGGCTCTGGCGCTGCTGGCCGAATGCTGATGCTACTACTAGGGGCTCTGCGGAGTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG219293 representing NM_007432
 Red=Cloning site Green=Tags(s)

MQGTWVLLLLLGLRLQLSLSVIPVEEENPAFWNKAAEALDAKKLQPIQTSKLNLIIFLDGDMGVPTVTA
 TRILKQLEHGLGPETPLAMDRFPYMALSKTYSVDRQVPDSASTATAYLCGVKTNKTIIGVSAARFDQC
 NTTFGNEVFSVMYRAKKAGKSGVGVVTTTRVQHASPSGTYYHTVNRNWDADMPASALREGCKDIATQLI
 SNMDINVLGGGRKYMFPAGTPDPEYPNDANETGTRLDGRNLVQEWSKHQGSQYVWNREQLIQKAQDPS
 VTYLMGLFEPVDTKFDIQRDPLMDPSLKDMEAAVKVLSRNPKGFYLFVEGGRIDRGHHLGTAYLALTEA
 VMFDLAIERASQLT SERDTLTIVTADHSHVFSFGGYTLRGT SIFGLAPLNALD GKPYTSILYGNPGYVG
 TGERPNVTAAESGSSYRQQAAPVKSETHGGEDVAIFARGPQAHLLHGVQE QNYIAHVMAFAGCLEPYT
 DCGLAPPADESQT TTTTRQTITTTTTTTTTTTTTTPVHNSARS LGPATAPLALALLAGMLMLLLGAPAES

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_007432

ORF Size: 1677 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_007432.3](#)

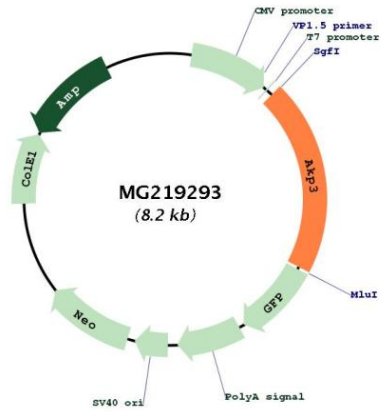
RefSeq Size: 1680 bp

RefSeq ORF: 1680 bp

Locus ID: 11648

Cytogenetics: 1 44.06 cM

Product images:



Circular map for MG219293