

Product datasheet for **MG216546**

Asxl2 (NM_172421) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asxl2 (NM_172421) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Asxl2
Synonyms:	4930556B16Rik; mKIAA1685
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216546 representing NM_172421 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGGAAAAGGGCCGTAGGAAGAAGGGCAGGACCTGGGCGGAGGCCGCAAGACGGTCTTAGAAAAAT
ACCCTAATACACCCATGAGTCATAAAGAAATTCCTCAGGTTATCCAGAGAGAAGGACTGAAAGAAATCAG
AAGTGGGACTTCCCCTCTTGCATGCTTGAATGCAATGCTGCACACAACTCCCGAGGAGAAGAAGGCATC
TTCTATAAAGTCCAGGTAGAATGGCGTGTATACTTTGAAGAAAGATGTCCAGATGGAGTGAAGAGC
TGTCAGAAGGTTCAAGAAAGCAGTGATGGTCAGTCAGATTCTCAGAGCTCTGAGAACAGCAGCAGCAG
TGATGGTGGCAGCAACAAGAAGGGAGAAAGAGCAGGTGGAAAAGGAAAGTATCATCTAGACTGTCACAT
CCACCCCTCTCCCCGTCAGGCTGCCCATCACCCACCATTCCAGCAAGTAAAGTCATTTCTCCATCAGAG
AGCACAGCAAAAAGGCATTAAAAAGGCCTTGAAGCAGCAACAACAGAAGAAGCAGCAGCAATGCAG
ACCAAGCATGTCCATCTCCAATCAACACCTCTCTCAAGACTGTCAAAGCAGCCAGTGACTCTGTACCT
GCCAAACCTGGACAGATGAAAAGGACTAAATGTGCTGACATTGATGTTGAGACTCCTGATTCCATTCTGG
TTAATACTAATCTCGAGCACTGATCAACAAGCACACCTTTTCAGTTCCTCTGGAGACTGCCAGCAGCG
CCTGCTTTTGTGCTCCAGAGGTGGATCGACAGGTTGGTCCAGATGGCCTGATGAAGTTGAATGGCTCA
GCCCTTAACAATGAGTTCTTCACTTCTGCAGCCAGGGCTGGAAGGAAAGGCTCAGAAGTGAATTTA
CTCCTGAAATGCAGGTGAGAATTCGACAAGAGATTGAGAAGGAGAAGAAAGTAGAGCTGTGGAAGGAACA
ATTCTTTGAAAATTAATACTATGGTCAGAGTTCTGGCCTAAGCCTTGAAGATTCACAGAACTGACAGCTCC
TCAAGTGATCCCAAAGCAAAAGAAAACCCAGCTGAGCAACCAAAATCCATACTTCTTCCAGAGGCTCTC
CTGTCAGAATTGTCCAGTAGTTCCTCAGTCCGAGTGTAAGAAGAAGCAGTGCAGATACCATCACCATC
CCAAAAGGAAGAAAATCAAGACGAGGCGAGGCCAGACTCCAAATCCCAGAACCTGTTCTTGCATCAGCT
AGCAATACAAATGAGCTTATCACCATGAAACCCATCAAGAGCCCTAAGGATGAGGGTCTCTTAGAGCAGA
AGCCTGTTGCCTGTGCTGAACAAGAATCTGAGAAAAGAAAATCATGTAACCAACTTCTCGTAATAACAA
AAGTGAGAACCAAGAAGCGTTAGCTATATCCCAAGCAAATCTAAAATGCTGGTTACAAAACCCATA



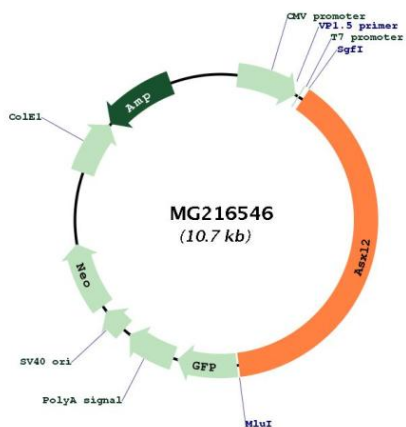
[View online »](#)

ATAAAGCCTGTTGCAGAAGCCAGTCCACTGAACCCTGATATGAAGATGCCACCAGCAACTGTTACTGATC
AGATCCAAGAAAGTCTCAAGAGGAAATCTTCTTACTGATGAAGAGGCCACCAGTAGCTGGGAGAAAAG
ACCACGTATCACTGAGAAATCGCCAGCACCAGCAGCCATTTTCAGGTCTCCCACAGCCTTTTCTTAATAGA
GGGACAGGGTCCAAGTGCAGAAAAGTCCCACCTCTCAAGATCCCTGTCTCCAGAATCTCCCCGATGCTGT
TTTCTACATCACAGGTCTCTCCAGGGCTCGTTTTCCAATCTCCATCACTAGTCCTTACAGAACAGGAGC
CAGAACTCTGGCAGACATCAAAGCAAAAAGCCCAGTTGGTCAAAGCACAAAAGGCAGCAGCCGAGCAGCT
GCTGCAGCTGCTGCAGCCGCTCAGTTGGAGGGACCATTCCGGGACCTGGCCCTGGGGGTGGACAAAGTC
CAAGAGAGGGTGGTAAAAGGAAAATTGCTGGAGGAGGAAGTGCAGGCTCAGACCCAGTCAGTACAAATGG
AAAAGGTCCCACACTGGAAGTGGCCGGAAGTGGAAAGCAGGGGAGGTACGAGAGAAGTTTTACCCTGTGGT
CCTCAACCTGAGACCAATATGCCAGGCCAAGCACAGCCTCCTGGTATCTCTGGAGCACAACCTACAGCAAA
CCTCCTCAGTGCCTACGGGACTTGCCAGCAGTGGAGCATGCACAAGTGTCCATTACCAGCCACATAGA
AATATCAAACAGTGAAAAACCAACCTCCACAAGGCAACAGCCACAGCAGCCTCTCCTTGCCACTTGCAA
GACCCTAGGAGTTGCAGACTTAAAAAGCTCTGTCTCAAACAGGGCTCCTCTGATCTCAGGAGCCTCAA
CTGTTTATTTGTAGCTGATGGCACAGTTGAGCCCAAAGCAGTTCTAATAAGAATGCACCAAAGCCTTC
AGCCTTAGCAAAGACAACCTGCTCCTGCTCCACTAGATATGACTTCTCTCTGTGACAACAGCCAGTTTA
GAAAACTCCCTGTACCCAGATCAGTGGAACTGCAACATCTACTGGATCAGCTCCATCCTCAAGCACTT
TGCCAGCAGCTTCTAGCCTTAAAACCCAGGAAGTCTGCAAATATGAATGGACCCATTTCAAGAACAAG
TTCTAGTATCCCTGCTAATAATCCTTTAGTTACTCAGCTGCTCCAGGGCAAAGATGTTCCCTTGGAGCAA
ATTCTGCCTAAGCCTCTCACAAAATGAAATGAAAACAGTTCCTACTGACTACAAAAGAGGAAAAAGGCA
TAGGGATATCCCTGGTATCAGTGAATGGAAAGTAGCAGCAGAGAGGAAGTTAATGGCAGGCAGGCCCA
TCTGGCTATCCCAGTGGGGAAACCCCTGCAAAGTAAACAGCTTTCCAGGTTCCAAGGCCAGTTTTTC
ACTGCTAAGGACCGGAAGGACCCCTGCATTGACACTCACCAGTACCGAGAAGGTAAAGTAAAACAACGC
AAGATCAGCTCTTTCAGACTCTTATCCAGAGGGCTCAGAGACAGAGTGTCTTTTCATTTGTACCGCCCTC
TCAGTTCAACTTTGCTCACTCAGGTTTCCACTTGGAAAGACATCTCCACAAGTCAGAAGTTATGCTGGGT
TTTGCTGGCAGAAGGACATCCAAGCCTGCAATGGCAGGTCACTATTTACTTAATATTTCCACCTATGGCA
GGGGTACAGAGAACATTAAGGACCCATTCTGTAATCCTGATGATCGATTTTGTCTAAGTAGCCCCAC
TGAGGCGTTGAGAATGGGCATGCAGATTATAAAAACACAAGTGGAGAAATCAGCAGCAAAGAAGATGAA
AGTGAAGATCGCGTAGGTGATGAACAGGAGCCTATTTTCAGTGAAGGAGGAGCCATGGGCTTCCAGAG
GTTCTGGCAGGCATCCGACCATGGGGAAGCTTCACTACCAATGATTGTTTAGCTAGCAAGAATGGTAA
GACTGAGGCACCAGTGAGTGAGCAAACCACTTTAGGCCAGGAGAATTACATATTCTTAGAGGCCAAGCA
TCTGATGAAAAGAGCCTGCCTAGAGATTTTATCCGGCAGCACATAAACAGATGACTCATGCTGTGAGAG
GTAAGACAGTGTGTAGCAGCCCTGAGCTTTTCAATTCTACTGCTTTTCTTCTCCCGCAGACAGTCCCAC
ACATCAGCCTCTACTCCTTCCACCACTGCAAAACCCCAAATTGTATGGAAGCCCCACACAGATAGGGCCA
AGCTATAGAGGCATGATCAATGTCTCCACCTCATCAGACATGGACCATAACTCTGCTATACCAGGCAGCC
AGGTATCTAGCAATGTAGGGGACGTCAATGCTTTTCAGTACTGCTCACTACCATCCCTGCCAGTCAAGC
AATGAATCCCAGCAGCCATGGCCAGACAATTCCTGTTTCAGACTTTTCTGATGACAATAGTATCGAGGAC
ACACCATCAAAATGTTACTGCCGGTTGAAAGCCATGATCATGTGCAAAGGATGTGGAGCTTTCTGCCATG
ATGATTGCATTGGCCCTCCAACTCTGTGCTCCTGCCTGTTGTTCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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:	<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:	NM_172421.5 , NP_766009.2
RefSeq Size:	8862 bp
RefSeq ORF:	4113 bp
Locus ID:	75302
UniProt ID:	Q8BZ32
Cytogenetics:	12 A1.1
Gene Summary:	This gene encodes a homolog of the Drosophila Asx gene, which interacts with genes involved in axial patterning. Mice with mutations in this gene display abnormal patterning of the axial skeleton, suggesting a similar function in mice as in Drosophila. This gene may also be involved in bone mineral density, specifically osteoclastogenesis. [provided by RefSeq, Aug 2012]

Product images:



Circular map for MG216546