

Product datasheet for MC224362

Asxl2 (NM_172421) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asxl2 (NM_172421) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Asxl2
Synonyms:	4930556B16Rik; mKIAA1685
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224362 representing NM_172421 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGGAAAAGGGCCGTAGGAAGAAGGGCAGGACCTGGGCGGAGGCCGCAAGACGGTCTTAGAAAAAT
ACCCTAATACACCCATGAGTCATAAAGAAATCTTCAGGTTATCCAGAGAGAAGGACTGAAAGAAATCAG
AAGTGGGACTTCCCCTCTTGCATGCTTGAATGCAATGCTGCACACAAACTCCCGAGGAGAAGAAGGCATC
TTCTATAAAGTTCAGGTAGAATGGCGTGTATACTTTGAAGAAAGATGTCCAGATGGAGTGAAGAGC
TGTCAGAAGGTTCAAGAAGCAGTGTGGTTCAGTCAGATTCTCAGAGCTCTGAGAACAGCAGCAGCAG
TGATGGTGGCAGCAACAAGAAGGGAGAAAGAGCAGGTGGAAAAGGAAAGTATCATCTAGACTGTCACAT
CCACCCCTCTCCCGTCCAGGCTGCCCATCACCCACCTCCAGCAAGTAAAGTCATTTCTCCATCAGAG
AGCACAGCAAAAAGGCATTAAAAAGGCCTTGAAGCAGCAACAACAGAAGAAGCAGCAGCAATGCAG
ACCAAGCATGTCCATCTCCAATCAACACCTCTCTCAAGACTGTCAAAGCAGCCAGTACTCTGTACCT
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TTAATACTAATCTCGAGCACTGATCAACAAGCACACCTTTTCAGTCTCTCTGGAGACTGCCAGCAGCG
CCTGCTTTTGTGCTCCAGAGGTGGATCGACAGGTTGGTCCAGATGGCCTGATGAAGTTGAATGGCTCA
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TCAAGTATCCCAAAGCAAAAGAAAACCCAGCTGAGCAACCAAAATCCATACTTCTTCCAGAGGCTCTC
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ATAAAGCCTGTTGCAGAAGCCAGTCCACTGAACCCTGATATGAAGATGCCACCAGCAACTGTTACTGATC
 AGATCCAAGAAAGTCTCAAGAGGAAATCTTCTTACTGATGAAGAGGCCACCAGTAGCTGGGAGAAAAG
 ACCACGTATCACTGAGAAATCGCCAGCACCAGCAGCCATTTTCAGGTCTCCCCACAGCCTTTTCTTAATAGA
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 CCTCCTCAGTGCCTACGGGACTTGCCAGCAGTGGAGCATGCACAAGTGTCCATTACCAGCCACATAGA
 AATATCAAACAGTGAAAAACCAACCTCCACAAGGCAACAGCCACAGCAGCCTCTCCTGGCACTTGCAA
 GACCCTAGGAGTGCAGACTTAAAAAGCTCTGTCTCAAACAGGGCTCCTCTGATCTCAGGAGCCTCAA
 CTGTTTATTTGTAGCTGATGGCACAGTTGAGCCCAAAGCAGTTCTAATAAGAATGCACCAAAGCCTTC
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 ACTGCTAAGGACCGGAAGGACCCCTGCATTGACACTACCAGTACCGAGAAGGTCTAAGTAAAACAACGC
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 TCAGTTCAACTTTGCTCACTCAGGTTTCCACTTGGAAAGACATCTCCACAAGTCAGAAGTTTCAATGCTGGGT
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 GGGGTACAGAGAACATTAAGGACCCATTCTGTAATCCTGATGATCGATTTTGTCTAAGTAGCCCCAC
 TGAGGCGTTGAGAATGGGGCATGCAGATTATAAAAACACAAGTGGAGAAATCAGCAGCAAAGAAGATGAA
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 GTTCTGGCAGGCATCCGCACCATGGGGAAGCTTCACTACCAATGATTGTTTAGCTAGCAAGAATGGTAA
 GACTGAGGCACCAGTGAGTGAGCAAACCACTTTAGGCCAGGAGAATTACATATTTCTAGAGGCCAAGCA
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 ACATCAGCCTCTACTCCTTCCACACTGCAAAACCCCAAATTGTATGGAAGCCCCACACAGATAGGGCCA
 AGCTATAGAGGCATGATCAATGTCTCCACCTCATCAGACATGGACCATAACTCTGCTATACCAGGCAGCC
 AGGTATCTAGCAATGTAGGGGACGTCAATGCTGTTTTTCAGTACTGCTCACTACCATCCCTGCCAGTCAAGC
 AATGAATCCCAGCAGCCATGGCCAGACAATTCCTGTTTCAGACTTTTCTGATGACAATAGTATCGAGGAC
 ACACCATCAAAATGTTACTGCCGGTTGAAAGCCATGATCATGTGCAAAGGATGTGGAGCTTTCTGCCATG
 ATGATTGCATTGGCCCTCCAACTCTGTGCTCCTGCCTTGTGTTTCGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_172421

Insert Size:

4113 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_172421.5</u> , <u>NP_766009.2</u>
RefSeq Size:	8902 bp
RefSeq ORF:	4113 bp
Locus ID:	75302
UniProt ID:	<u>Q8BZ32</u>
Cytogenetics:	12 A1.1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. The encoded isoform (2) is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. CCDS Note: This CCDS ID was updated to correctly position the short third coding exon, which was mis-positioned in version 1.</p>