

Product datasheet for MC229584

Asxl2 (NM_001270988) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asxl2 (NM_001270988) 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:	>MC229584 representing NM_001270988 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGGAAAAGGGCCGTAGGAAGAAGGGCAGGACCTGGGCGGAGGCCGCAAGACGGTCTTAGAAAAAT
ACCCTAATACACCCATGAGTCATAAAGAAATCTTCAGGTTATCCAGAGAGAAGGACTGAAAGAAATCAG
AAGTGGGACTTCCCCTCTTGCATGCTTGAATGCAATGCTGCACACAACTCCCGAGGAGAAGAAGGCATC
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TGTCAGAAGGTTCAAGAAGAAAGCAGTGATGGTCAGTCAGATTCTCAGAGCTCTGAGAACAGCAGCAGCAG
TGATGGTGGCAGCAACAAGAAGGGAGAAAGAGCAGGTGGAAGGAAAGTATCATCTAGACTGTCACAT
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CAGAAGCCTGTTGCCTGTGCTGAACAAGAATCTGAGAAAGAAAATCATGTAACCACAACCTTCTCGTAATA
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 TTTCACTGCTAAGGACCGAAGGACCCCTGCATTGACACTCACCAGTACCGAGAAGGTCTAAGTAAAAACA
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 CCACACATCAGCCTCTACTCCTTCCACCACTGCAAACCCCAAATTTGATGGAAGCCCCACACAGATAGG
 GCCAAGCTATAGAGGCATGATCAATGTCTCCACCTCATCAGACATGGACCATAACTCTGTATACCAGGC
 AGCCAGGTATCTAGCAATGTAGGGGACGTCATGTCGTTTTCAAGTACTGTCACTACCATCCCTGCCAGTC
 AAGCAATGAATCCCAGCAGCCATGGCCAGACAATCCTGTTCAAGCTTTTCTGATGACAATAGTATCGA
 GGACACACCATCAAATGTTACTGCCGGTTGAAAGCCATGATCATGTGCAAAGGATGTGGAGCTTCTGC
 CATGATGATTGCATTGGCCCTCCAAACTCTGTCTCCTGCCTGTTGTTTCGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001270988
Insert Size: 4257 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001270988.1, NP_001257917.1</u>
RefSeq Size:	9046 bp
RefSeq ORF:	4257 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 (1) represents the longer transcript and encodes the longer 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.</p>