

## Product datasheet for MR231795

### Asxl2 (NM\_001270988) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Asxl2 (NM_001270988) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asxl2
Synonyms:	4930556B16Rik; mKIAA1685
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR231795 representing NM_001270988 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGAGGGAAAAGGGCCGTAGGAAGAAGGGCAGGACCTGGGCGGAGGCCGCAAGACGGTCTTAGAAAAAT  
ACCCTAATACACCCATGAGTCATAAAGAAATTCCTCAGGTTATCCAGAGAGAAGGACTGAAAGAAATCAG  
AAGTGGGACTTCCCCTCTTGCATGCTTGAATGCAATGCTGCACACAACTCCCGAGGAGAAGAAGGCATC  
TTCTATAAAGTCCAGGTAGAATGGCGTGTATACTTTGAAGAAAGATGTCCAGATGGAGTGAAGAGC  
TGTCAGAAGGTTCAAGAAGCAGTGTGGTTCAGTCAGATTCTCAGAGCTCTGAGAACAGCAGCAGCAG  
TGATGGTGGCAGCAACAAGAAGGGAGAAAGAGCAGGTGGAAAAGGAAAGTATCATCTAGACTGTCACAT  
CCACCCCTCCCCCGTCAGGCTGCCCATCACCCACCATTCCAGCAAGTAAAGTCATTTCTCCATCAGAG  
AGCACAGCAAAAAGGCATTAAAAAGGCCTTGAAGCAGCAACAACAGAAGAAGCAGCAGCAATGCAG  
ACCAAGCATGTCCATCTCCAATCAACACCTCTCTCAAGACTGTCAAAGCAGCCAGTACTCTGTACCT  
GCCAACTGCCCTATGGGAAGGAAAGCAATCTGATGGACAGTCAAGCAGTCCCCAGAATCAAATTCGA  
GCTTTTCTCCTCAGTAAAAGTGGAAAGTTCTCTGCTAGGCTTGGGAAGAAGTCTTTCCAGAGGTCTGA  
CAGACTCCACACAAGACAGATGAAAAGGACTAAATGTGCTGACATTGATGTTGAGACTCCTGATTCCATT  
CTGGTTAATACTAATCTTCGAGCACTGATCAACAAGCACACCTTTTCAGTCTTCTGGAGACTGCCAGC  
AGCGCCTGCTTTTGTGCTTCCAGAGGTGGATCGACAGGTTGGTCCAGATGGCCTGATGAAGTTGAATGG  
CTCAGCCCTTAACAATGAGTTCCTCACTTCTGCAGCCAGGGCTGGAAGGAAAGGCTCTCAGAAGGTGAA  
TTTACTCTGAAATGCAGGTGAGAATTCGACAAGAGATTGAGAAGGAGAAGAAAGTAGAGCTGTGGAAGG  
AACAACTTTGAAAATTAATAATGGTCAGAGTTCTGGCCTAAGCCTTGAAGATTCACAGAAAAGTACAGC  
TTCCTCAAGTATCCAAAGCAAGAAAACCCAGCTGAGCAACCAAAATCCATACTTCTTCAGAGGCC  
TCTCTGTCAGAATTGTCCAGTAGTTCCTCAGTCCGAGTGTAAAGAAGAAGCAGTGCAGATACCATCAC  
CATCCAAAAGGAAGAAAATCAAGACGAGGCGAGGCCAGACTCCAAATCCCAGAACCTGTTCTTGCATC  
AGCTAGCAATACAATGAGCTTATCACCATGAAACCCATCAAGAGCCCTAAGGATGAGGGTCTCTTAGAG



[View online »](#)

CAGAAGCCTGTTGCCTGTGCTGAACAAGAATCTGAGAAAGAAAATCATGTAACCACAACCTCTCGTAATA  
ACAAAAGTGAGAACCAAGAAGCGTTAGCTATATCCCAAGCAAATCTAAAAATGCTGGGTTACAAAAACC  
CATAATAAAGCCTGTTGCAGAAGCCAGTCCACTGAACCTGATATGAAGATGCCACCAGCAACTGTTACT  
GATCAGATCCAAGAAAGTCTCAAGAGGAAATCTTCTTACTGATGAAGAGGCCACCAGTAGCTGGGAGA  
AAAGACCAGTATCACTGAGAATCGCCAGCACCAGCAGCCATTTCAAGTCTCCCCACAGCCTTTTCTTAA  
TAGAGGGGACAGGGTCCAAGTGCAGAAAAGTCCCACCTCTCAAGATCCCTGTCTCCAGAATCTCCCGATG  
CTGTTTTCTACATCACAGGTCTCTCCAGGGCTGTTTTCCAATCTCCATCACTAGTCTTACAGAACAG  
GAGCCAGAACTCTGGCAGACATCAAAGCAAAGCCAGTTGGTCAAAGCACAAAAGGCAGCAGCCGCAGC  
AGCTGCTGCAGCTGCTGCAGCCGCTCAGTTGGAGGGACCATTCCGGGACCTGGCCCTGGGGGTGGACAA  
AGTCCAAGAGAGGGTGGTAAAAGGAAAATTGCTGGAGGAGGAAGTGCAGGCTCAGACCCAGTCAAGTACAA  
ATGGAAAAGTCCCACTGGAAGTGGCCGGAAGTGAAGCAGGGGAGGTACGAGAGAACTTTTACCCTG  
TGGTCTCAACCTGAGACCAATATGCCAGGCCAAGCACAGCCTCCTGGTATCTCTGGAGCACAACACTACG  
CAAACCTCCTCAGTGCCTACGGGACTTGCAGCAGTGGAGCATGCACAAGTGTCCATTACCAGCCACA  
TAGAAATATCAACAGTAAAAACCAAACCTCCACAAGGCAACAGCCACAGCAGCCTCTCCTTGCCACTT  
GCAAGACCCTAGGAGTTGCAGACTTAAAAAGCTGTCTCCAACAGGGCCTCCTCTGATCTCAGGAGCC  
TCAACTGTTTATTTGTAGCTGATGGCAGACTTGAAGCCAAAGCAGGTTCTAATAAGAATGCACCAAAGC  
CTTCAGCCTTAGCAAAGCAACTGCTCCTGCTCCACTAGATATGACTTCCTCTCCTGTGACAACAGCCAG  
TTTAGAAAACTCCCTGTACCCAGATCAGTGAAGTGAACATCTACTGGATCAGTCCATCCTCAAGC  
ACTTTGCCAGCAGCTTCTAGCCTTAAAACCCAGGAAGTCTGCAAAATGAATGGACCCATTTCAAGAA  
CAAGTTCTAGTATCCCTGCTAATAATCCTTTAGTTACTCAGTGTCCAGGGCAAAGATGTTCCCTTGA  
GCAAACTTGCCTAAGCCTCTACCAAAATTGAAATGAAAACAGTTCCTGACTACAAAAGAGGAAAAA  
GGCATAGGGATATCCCTGGTATCAGTGAATGGAAAGTAGCAGCAGAGAGGAAGTTAATGGCAGGCAGG  
CCACTTGGCTATCCCGCAGTTGGGAAACCCTTGCAAAGTAAACAGCTTCCAGGTTCCAAGGCCAGT  
TTTCACTGCTAAGGACCGAAGGACCCCTGCATTGACACTCACCAGTACCGAGAAGGTCTAAGTAAAAACA  
ACGCAAGATCAGCTCTTTCAGACTCTTATCCAGAGGGCTCAGAGACAGAGTGTCTTTTATTGTACCCG  
CCTCTCAGTTCAACTTTGCTCACTCAGGTTTCCACTTGAAGACATCTCCACAAGTCAAGTTCATGCT  
GGGTTTTGCTGGCAGAAGGACATCCAAGCCTGCAATGGCAGGTCATTTACTTAATTTCCACCTAT  
GGCAGGGGTACAGAGAACATTAAGGACCCATTCTGTAATCCTGATGATCGATTTTGTCTAAGTAGCC  
CCACTGAGGCGTTGAGAATGGGGCATGCAGATTAAAAACACAAGTGGAGAAATCAGCAGCAAAGAAGA  
TAAAAGTATGAAGATCGCGTAGGTGATGAACAGGAGCCTATTTCAAGTGAAGGAGGAGCCATGGGCTTCC  
CAGAGTCTGGCAGGCATCCGCACCATGGGAAGCTTCATCTACCAATGATTGTTTAGCTAGCAAGAATG  
GTAAGACTGAGGCACCAGTGAAGTGAAGCAAAACCTTTAGGCCAGGAGAATTACATATTCTCTAGAGGCCA  
AGCATCTGATGAAAAGAGCCTGCCTAGAGATTTTATTCCGGCAGCACATAAACAGATGACTCATGCTGTG  
AGAGGTAAAGACAGTGTGTAGCAGCCCTGAGCTTTTCAATTCTACTGCTCTTTCTTCCCGCAGACAGTC  
CCACACATCAGCCTCTACTCCTTCCACCCTGCAAACCCCAAATTTGATGGAAGCCCCACACAGATAGG  
GCCAAGCTATAGAGGCATGATCAATGTCTCCACCTCATCAGACATGGACCATAACTCTGCTATACCAGGC  
AGCCAGGTATCTAGCAATGTAGGGGACGTCATGTCGTTTTCAAGTACTGTCCTACTACCATCCCTGCCAGTC  
AAGCAATGAATCCAGCAGCCATGGCCAGACAATCCTGTTCAAGTCTTCCCTGATGACAATAGTATCGA  
GGACACACCATCAAATGTTACTGCCGGTTGAAAGCCATGATCATGTGCAAAGGATGTGGAGCTTCTGC  
CATGATGATTGCATTGGCCCTCAAACCTGTGTCTCCTGCCTGTTGTTCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231795 representing NM\_001270988  
 Red=Cloning site Green=Tags(s)

MREKGRKKGRTWAEAAKTVLEKYPNTPMSHKEILQVIQREGLKEIRSGTSPLACLNAMLHTNSRGEEGI  
 FYKVPGRMGVYTLKKDVPDGVKELSEGSEESSDQSDSQSSSENSSSSDGGSNKEGRKSRWKRKVVSSRLSH  
 PPSPPSGCPSPTIPASKVISPSQKHSKALKQALKQQQKQKQKQCRPSMSISNOHLSLKTVKAASDVSVP  
 AKPALWEGKQSDGQSSSPQNSNSFSSSVKVESLLGLGKKSFRSDRLHTRQMKRTKCADIDVETPDSI  
 LVNTNLRALINKHTFVSLPGDCQQRLLLLLPEVDRQVGPDGLMKLNGSALNNEFF TSAAQWKERLSEGE  
 FTPEMQVRIRQEIEKEKVELWKEQFFENYQGSSGLSLEDSQKLTASSSDPKAKKTPAEQPKSILPSEA  
 SPVRIVPVVPQSECKEEAVQIPSPSQEENQDEARPDSKSEPEVLASASNTNELITMKPIKSPKDEGLLE  
 QKPVACAEQESEKENHVTTTSRNNKSENQEAIAISPSKSNAGLQKPIIKPVAEASPLNPMKMPATVT  
 DQIQESLKRKSSLTDEEATSSWEKRPRITENRQHQQPFQVSPQPFLNRGDRVQVRKVPPLKIPVSRISPM  
 LFSTSQVSPRARFPISITSPYRTGARTLADIKAKAQLVKAQKAAAAAAAAAAAAASVGGTIPGPGGGGQ  
 SPREGGERKIAGGGSAGSDPVSTNGKGPTLELAGTGSRGGTRELLPCGPQPETNMPGQAQPPGISGAQLQ  
 QTSSVPTGLASSGACTSVPLPAHIEISNSEKPNLHKATATAASPCHLQDPRSCRLEKALSPTGPPLISGA  
 STVYFVADGTVEPKAGSNKNAPKPSALAKTTAPAPLDMTSSPVTASLEKLPVQISGTATSTGSAPSS  
 TLPAASSLKTPGTSANMNGPISRTSSSIPANNPLVTQLLQGDVPLEQILPKPLTKIEMKTVPLTTKEEK  
 GIGIFPGISVMESSSREEVNGRQAHLAIPQLGKPLQSKQLSQVPRPVFTAKDRKDPICIDTHQYREGLSKT  
 TQDQLFQTLIQRARQSVL SFVPPSQFNFAHSGFHLEDISTSQKFM LGFAGRRTSKPAMAGHYLLNISTY  
 GRGTENIKRTHSVNPDDRFLCSSPTEALRMGHADYKNTTGEISSKEDESDEDRVGDEQEPISVKEEPWAS  
 QSSGRPHPHGEASSTNDCLASKNGKTEAPVSEQTLGQENYIFSRGOASDEKSLPRDIPAAHKQMTHAV  
 RGKTVCSPEL FNSTALSLPADSPHQPLLLPPLQTPKLYGSPTQIGPSYRGMINVESTSSMDHNSAIPG  
 SQVSSNVGDVMSFSVTVTIPASQAMNPS SHGQTIPVQTFPDDNSIEDTPSKCYCRLKAMIMCKGCGAFC  
 HDDCIGPSKLCVSCLVVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

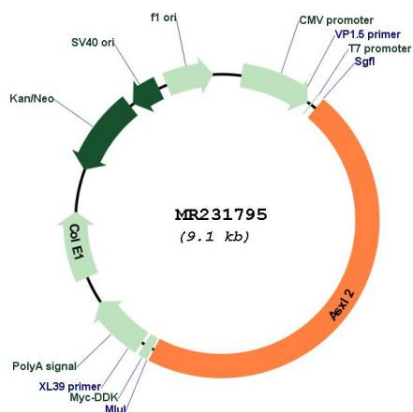


ACCN: NM\_001270988

ORF Size: 4254 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="#">NM_001270988.1</a> , <a href="#">NP_001257917.1</a>
<b>RefSeq Size:</b>	9046 bp
<b>RefSeq ORF:</b>	4257 bp
<b>Locus ID:</b>	75302
<b>UniProt ID:</b>	<a href="#">Q8BZ32</a>
<b>Cytogenetics:</b>	12 A1.1
<b>MW:</b>	152.8 kDa
<b>Gene Summary:</b>	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 MR231795