

Product datasheet for **SC123122**

XAGE2 (NM_130777) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XAGE2 (NM_130777) Human Untagged Clone
Tag:	Tag Free
Symbol:	XAGE2
Synonyms:	CT12.2; GAGED3; XAGE-2; XAGE2B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_130777 edited GTTCCCTGGACACCTGCCTCAGTGTGCATGTTCACTGGGCATCTCCCTTCGACCCCTTT GCCCACGTGGTGACCGCTGGGGAGCTGTGAGAGTGTGAGGGGCAGTTCAGCCGTCTGG ACTCTTTCTCTCTACTGAGACGCAGCCTATAGGTCCGCAGGCCAGTCCCTCCAGGAACT GAAATAGTGAAATATGAGTTGGCGAGGAAGATCAACATATAGGCCTAGGCCAAGAAGAAG TTTACAGCCTCCTGAGCTGATTGGGGCTATGCTTGAACCCACTGATGAAGAGCCTAAAGA AGAGAAACCACCCACTAAAAGTCGGAATCCTACACCTGATCAGAAGAGAGAAGATGATCA GGGTGCAGCTGAGATTCAAGTGCCTGACCTGGAAGCCGATCTCCAGGAGCTATGTCAGAC AAAGACTGGGGATGGATGTGAAGTGGTACTGATGTCAAGGGGAAGATTCTACAAAAGC AGAGCATTTTAAAATGCCAGAAGCAGGTGAAGGAAAATCACAGGTTTAAAGGAAGATAAG CTGAAACAACACAACTGTTTTTATATTAGATATTTTACTTTAAAATATCTTAATAAAGT TTTAAGCTTTTCTCCAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_130777 unedited GGAACGTCAGATTTGTATACGACTCACTATAGGCGGCCGCGATTCCGGCACGAGGGTTCCT TGGACACCTGCCTCAGTGTGCATGTTCACTGGGCATCTTCCCTTCGACCCCTTTGCCAC GTGGTGACCGCTGGGGAGCTGTGAGAGTGTGAGGGGCACGTTCCAGCCGTCTGGACTCTT TCTCTCTACTGAGACGCAGCCTATAGGTCCGCAGGCCAGTCTCCAGGAAGTAAATA GTGAAATATGAGTTGGCGAGGAAGATCAACATATAGGCCTAGGCCAAGAAGAAGTTTACA GCCTCCTGAGCTGATTGGGGCTATGCTTGAACCCACTGATGAAGAGCCTAAAGAAGAGAA ACCACCCACTAAAAGTCGGAATCCTACACCTGATCAGAAGAGAGAAGATGATCAGGGTGC AGCTGAGATTCAGTGCCTGACCTGGAAGCCGATCTCCAGGAGCTATGTCAGACAAAGAC TGGGGATGGATGTGAAGGTGGTACTGATGTCAAGGGGAAGATTCTACAAAAGCAGAGCA TTTTAAAATGCCAGAAGCAGGTGAAGGGAAATCACAGGTTTAAAGGAAGATAAGCTGAAA CCACACAAACTGTTGTTATATTAGATATTTTACTTTAAAATATCTTAATAAAGTTTTAAG CTTTTCTCAAAAAAAAAAAAAAAAAAAAAAACTCGATTTTTTTTTTTCTTTTCTCCC CGCCCGTTTTTTTTTAACTGGCTGTTTACAGGACCTGAAGCTCTGGGGTTTGGCAG AATGACTCCTGAACCTTTTTTTTTAGCCGAGCCCAATTGATTTTTTACCTCGCTTCTGGAC ACGGCCTGGGTGCCGGGGCGCGGATTCCGCCGGGACCTCCGCACGGCAAAAA
Restriction Sites:	Please inquire
ACCN:	NM_130777
Insert Size:	648 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_130777.1</u> , <u>NP_570133.1</u>
RefSeq Size:	720 bp
RefSeq ORF:	336 bp
Locus ID:	9502
UniProt ID:	<u>Q96GT9</u>
Cytogenetics:	Xp11.22

Gene Summary:

This gene is a member of the XAGE subfamily, which belongs to the GAGE family. The GAGE genes are expressed in a variety of tumors and in some fetal and reproductive tissues. This gene is strongly expressed in normal testis, and in Ewing's sarcoma, rhabdomyosarcoma, a breast cancer and a germ cell tumor. The protein encoded by this gene shares a sequence similarity with other GAGE/PAGE proteins. Because of the expression pattern and the sequence similarity, this protein also belongs to a family of CT (cancer-testis) antigens. [provided by RefSeq, Jul 2008]