

Product datasheet for **SC115047**

SMPX (NM_014332) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMPX (NM_014332) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMPX
Synonyms:	Chisel; Csl; DFN6; DFNX4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_014332 edited ATGAATATGTCGAAACAGCCAGTTTCCAATGTTAGAGCCATCCAGGCAAATATCAATATT CCAATGGGAGCCTTTTCGCCAGGAGCAGGTCAACCCCCAGAAGAAAAGAATGTACTCCT GAAGTGGAGGAGGTGTTCTCCACCTCGGATGAGGAGAAGAAGCCAATTCCAGGAGCG AAGAACTTCCAGGACCTGCAGTCAATCTATCGGAAATCCAGAATATTAAGTGAACCTA AAATATGTCCCAAAGCTGAACAGTAG
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014332 unedited AGGTGCACATTATGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCTCAGAG GACACCGGGCGCCCTTCCACCTTCCAAGGAGCTTTGTATTCTTGATCTGGCTGCCTGG GACTTCCCTTAGGCAGTAAACAAATACATAAAGCAGGGATAAGACTGCATGAATATGTCG AAACAGCCAGTTTCCAATGTTAGAGCCATCCAGGCAAATATCAATATTCCAATGGGAGCC TTTCGCCAGGAGCAGGTCAACCCCCAGAAGAAAAGAATGTACTCCTGAAGTGGAGGAG GGTGTCTCTCCACCTCGGATGAGGAGAAGAAGCCAATTCCAGGAGCGAAGAACTTCCA GGACCTGCAGTCAATCTATCGGAAATCCAGAATATTAAGTGAACCTAAATATGTCCCC AAAGCTGAACAGTAGTAGGAAGAAAAAGGATTGATGTGAAGAAATAAGAGGCAGAAGA TGGATTCAATAGCTCACTAAATTTTATATTTGTATGATGATTGTGAACCTCCTGAAT GCCTGAGACTCTAGCAGAAATGGCCTGTTGTACATTTATATCTCTCTCTAGTTGGC TGTATTTCTTACTTTATCTTCATTNTTGGCACCTCACAGAACAAATTAGCCCATAAATTC AACACCTGGAGGGTGTGGTTTTGAGGAGGGATATGATTTTATGGAGAATGATATGGCANT GTGCCCTACGATTTTGTGAAAGATNTCCAGCTACTTCTACAGTATTTTGGTCAATAT TTGGAATGCCGTTTAGTCCTCACCTTTTAAATATGTCACTAACTTGTATGAGGTCAAT AATATTTGACTAATTGTNNCCCCCCCCNACCACCCCCCAAAAAAAAAAACACACTC CCCCAAAATACCAAT



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014332 unedited <pre> CCTGGCAATTTTATCTGACTTCATACAAGTTTAGTGACATAATTTAAAAGTGAAGAACTA AAACGCATTCCAAATATTGACCAAAATACTGTAGGAAGTAGCTTGGGAACTTTTCATCA AAATCGTTAGGCACATTGCCATATCATTCTCCATAAAATCATATCCCTCCTCAAAACCAC ACCCTCCAGGTGTTGAATTTATGGGCTAATTTGTTCTGTGAGGTGCCAAAAATGAAGATA AAGTAAGAAATACAGCCAACTAGAAGGAAGAGATATAAATGTACAAACAGGCCATTTCTG CTAGAGTCTCAGGCATTGAGGAGTTTCAATCATCATACAAATATATAAAATTTTAGTG AGCTATTGAATCCATCTTCTGCCTCTTTATTTCTTCACATCAATCCTTTTTTCTTCCTAC TACTGTTGAGCTTTGGGGACATATTTTAGTTCACTTTTAAATATTCTGGATTTCCGATAGA TTGACTGCAGGTCTGGAAGTTTCTTCGCTCCTGGAATTGGCTTCTTCTCCTCATCCGAG GTGGGAGGAACACCCTCCTCCACTTCAGGAGTACATTCTTTTCTTCTGGGGGTTGACCT GCTCCTGGCCGAAAGGCTCCCATTTGGAATATTGATATTTGCCTGGATGGCTCTAACATTG GAAACTGGCTGTTTCGACATATTCATGCAGTCTTATCCCTGCTTTATGTANTTTGTTACT GCCTAAGGNAAGTCCAGGCAGCCAGATGCAAGAATACAAAGCTCCTTGAAGTGAAGGN GCGCCCGGTGCTCTGAGCCTCGTGCCGAATCGCGGCCGNCCTATAGTGAGTCGTATTA CAAAANTCTGACNGGTTCACTAACGAGCTCTGCTTATATAGACCTNNCACCGTACAACGC CTACCGNCCATTTGCGTCAACGGGGGCCGGNNTATTACGACACTT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014332
Insert Size:	910 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:	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_014332.1</u> , <u>NP_055147.1</u>
RefSeq Size:	886 bp
RefSeq ORF:	267 bp
Locus ID:	23676
UniProt ID:	<u>Q9UHP9</u>
Cytogenetics:	Xp22.12

Gene Summary:

This gene encodes a small protein that has no known functional domains. Mutations in this gene are a cause of X-linked deafness-4, and the encoded protein may play a role in the maintenance of inner ear cells subjected to mechanical stress. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Dec 2011]

Transcript Variant: This variant (1) represents the predominant transcript and is protein-coding.