

## Product datasheet for **SC303639**

### SIX3 (NM\_005413) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SIX3 (NM_005413) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIX3
Synonyms:	HPE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303639 representing NM_005413. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGTATTCGGCTCCCCCTAGACCTCTATTCTCCACTTCTTGTGGCAAACCTCGCCGATTCTCAC
CACCGCTCCATACTTCTGGCGAGTAGCGCGCGCGGAACGGTGCGGGAGGCGCGCGCGGGAGGC
GGCAGCGCGCGCGGAACGGTGCGGGAGGCGCGGTGCTGGCGGAGCAGGCGCGCGCGCGCGCGGC
TCCAGGGCCCCCGGAAGAGTTGTCCATGTTCCAGCTGCCACCCTCACTTCTCGCCGAGCAGGTG
GCCAGCGTCTGTGAGACGCTGGAGGAGACGGGCGACATCGAGCGGCTGGGCCGCTTCTCTGGTCGCTG
CCCGTGGCCCCCGGGCGTGCGAGGCCATCAACAAACACGAGTCGATCCTGCGCGCGCGCGCGTGGTC
GCCTTCCACACGGCAACTTCCGCGACCTTACCACATCCTTGAGAACCACAAGTTACCAAGGAGTCT
CACGGCAAGCTGCAGGCCATGTGGCTCGAGGCGCACTACCAGGAGCCGAGAAGCTGCGCGCGCCGCCA
CTCGGCCCGGTGGACAAGTACCGCGTGCGCAAGAAGTTCCCGCTGCCACGCACCATCTGGGACGGCGAG
CAGAAGACGCATTGCTTCAAGGAGCGGACTCGGAGCCTGTTGCGGGAGTGGTACCTACAGGACCCCTAC
CCCAACCCAGCAAGAAACGCGAACTGGCGCAGGCCACCGGCTCACTCCACACAAGTAGGCAACTGG
TTAAGAACC GGCGCAGCGCAGCCGCGCGCGCGGCGCAAGAACAGGCTCCAGCACCAGGCCATTGGA
CCGAGCGGCATGCGCTCGCTGGCCGAGCCCGGCTGCCACGCACGGCTCGGCAGAGTCGCCGTCACG
GCGGCCAGCCCGACCACCAGCGTCCAGCCTGACGGAGCGCGCAGACACCGGCACCTCCATCCTCTCG
GTAACCTCCAGCGACTCGGAATGTGATGTATGA
ACGCGTACGCGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_005413
Insert Size:	999 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<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_005413.3</a>
<b>RefSeq Size:</b>	2533 bp
<b>RefSeq ORF:</b>	999 bp
<b>Locus ID:</b>	6496
<b>UniProt ID:</b>	<a href="#">O95343</a>
<b>Cytogenetics:</b>	2p21
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	35.5 kDa
<b>Gene Summary:</b>	This gene encodes a member of the sine oculis homeobox transcription factor family. The encoded protein plays a role in eye development. Mutations in this gene have been associated with holoprosencephaly type 2. [provided by RefSeq, Oct 2009]