

# Product datasheet for RC218605

## SHOX (NM\_000451) Human Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

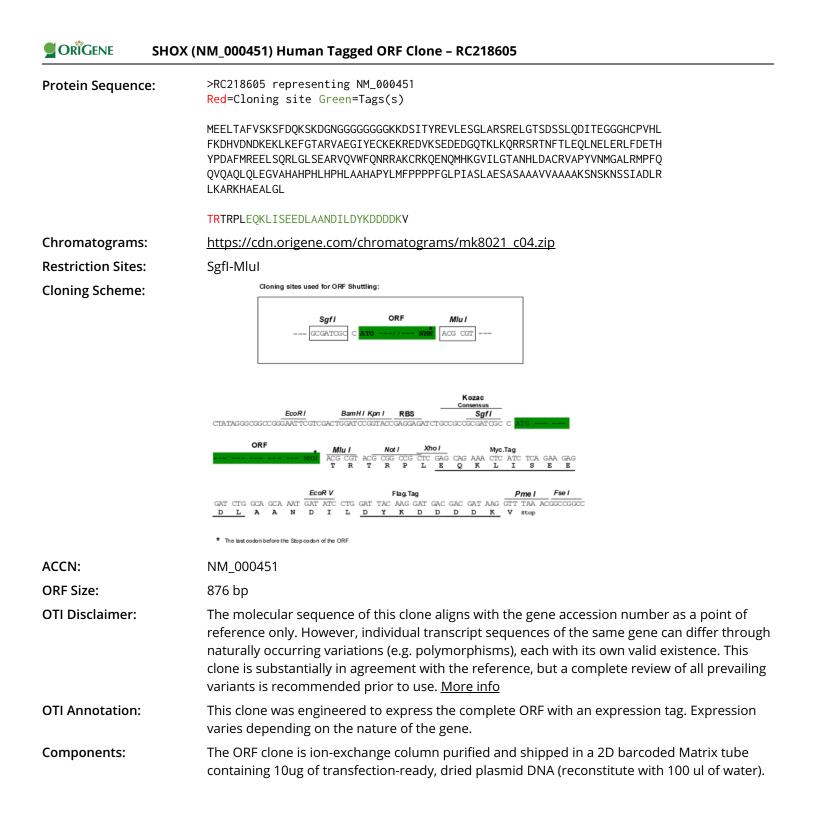
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	SHOX (NM_000451) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SHOX
Synonyms:	GCFX; PHOG; SHOXY; SS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RC218605 representing NM_000451 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA



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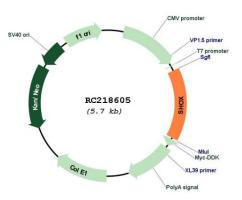
Reconstitution Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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>
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM 000451.3, NP 000442.1</u>
RefSeq Size:	4559 bp
RefSeq ORF:	879 bp
Locus ID:	6473
UniProt ID:	<u>015266</u>
Cytogenetics:	X;Y
Domains:	homeobox, OAR
Protein Families:	Transcription Factors
MW:	32.1 kDa
Gene Summary:	This gene belongs to the paired homeobox family and is located in the pseudoautosomal region 1 (PAR1) of X and Y chromosomes. Defects in this gene are associated with idiopathic growth retardation and in the short stature phenotype of Turner syndrome patients. This gene is highly conserved across species from mammals to fish to flies. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by BefSeq. Jul 2008]

RefSeq, Jul 2008]

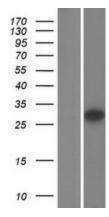
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### **Product images:**

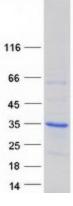


Circular map for RC218605



Western blot validation of overexpression lysate (Cat# [LY424707]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218605 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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Coomassie blue staining of purified SHOX protein (Cat# [TP318605]). The protein was produced from HEK293T cells transfected with SHOX cDNA clone (Cat# RC218605) using MegaTran 2.0 (Cat# [TT210002]).

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