

## Product datasheet for **RG210977**

### LIM1 (LHX1) (NM\_005568) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LIM1 (LHX1) (NM_005568) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LIM1
Synonyms:	LIM-1; LIM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210977 representing NM_005568 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTTCCTGCTGCCGGCTGCAAAGGCCATCCTGGACCGCTTCTCTTGAACGTGCTGGACAGGGCCT  
GGCAGCTCAAGTGCCTCCAGTGTGTGAATGTAATGCAACCTGACCGAGAAGTGCTTCTCCAGGGAAGG  
CAAACCTACTGCAAGAACGACTTCTCCGGTGTTCGGTACCAAATGCGCAGGCTGCGCTCAGGGCATC  
TCCCTAGCGACTGGTGGAGAGCGCGGAGCAAAGTGTTCACCTGAACCTGCTTACCTGCATGATGT  
GTAACAAGCAGCTCTCCACTGGCGAGGAACTCTACATCATCGACGAGAATAAGTTCGTCTGCAAAGAGGA  
TTACCTAAGTAACAGCAGTGTGCAAAGAGAACAGCCTTCACTCGGCCACCACGGGAGTGACCCCACT  
TTGTCTCCGGATTCCAAGACCCGTCGACGAGCAGCAGCAAGGACTCGGAGAGCGCAACGTGTCGGACA  
AGGAAGCGGGTAGCAACGAGAATGACGACCAGAACCTGGGCGCAAGCGGCGGGGACCGCGCACCACCAT  
CAAAGCCAAGCAGCTGGAGACGCTGAAGGCCGCTTCGCTGTACACCAAGCCACCCGCCACATCCGC  
GAGCAGCTGGCGCAGGAGACCGGCTCAACATGCGCGTCATTAGGTCTGGTCCAGAACCGGCGCTCCA  
AGGAGCGGAGGATGAAGCAGCTGAGCGCCCTGGGCGCCCGGCGCCACGCCTTCTCCGAGTCCGCGCCG  
GATGCGGCCGCTGGTGGACCGCTGGAGCCGGGCGAGCTCATCCCAATGGTCCCTTCTCCTTCTACGGA  
GATTACCAGAGCGAGTACTACGGCCCGGGGCAACTACGACTTCTCCGCAAGGCCCCCGTCCCTCGC  
AGGCCAGACACCACTGGACCTACCTTCGTGCGGTATCTGGGCGTCCGGGACGCCCTGGGTGGCCT  
GGAGCACCCGCTGCCGGGCCACCACCCGTCGAGCGAGGCGCAGCGGTTTACCGACATCCTGGCGACCCA  
CCCGGGGACTCGCCAGCCCGAGCCAGCCTGCCGGGCTCTGCACTCCATGTCGGCCGAGGTCTTCG  
GACCCAGCCCGCCTTCTCGTCGCTGTCGGTCAACGGTGGGGCGAGCTACGGAAACACCTGTCCACCC  
CCCCAAATGAACGAGGCGGCCGTGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**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:** [NM\\_005568.5](#)

**RefSeq Size:** 2283 bp

**RefSeq ORF:** 1221 bp

**Locus ID:** 3975

**UniProt ID:** [P48742](#)

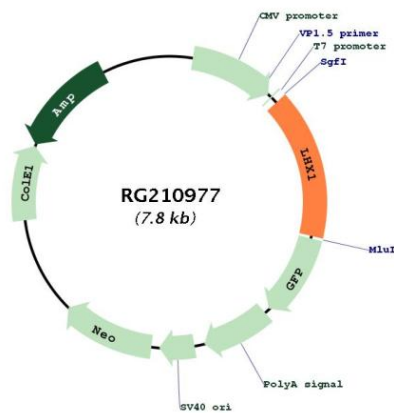
**Cytogenetics:** 17q12

**Domains:** homeobox, LIM

**Protein Families:** ES Cell Differentiation/IPS, Transcription Factors

**Gene Summary:** This gene encodes a member of a large protein family which contains the LIM domain, a unique cysteine-rich zinc-binding domain. The encoded protein is a transcription factor important for the development of the renal and urogenital systems. This gene is a candidate for Mayer-Rokitansky-Kuster-Hauser syndrome, a disorder characterized by anomalies in the female genital tract. [provided by RefSeq, Dec 2010]

### Product images:



Circular map for RG210977