

Product datasheet for **SC126623**

Grainyhead like protein 1 homolog (GRHL1) (NM_198182) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grainyhead like protein 1 homolog (GRHL1) (NM_198182) Human Untagged Clone
Tag:	Tag Free
Symbol:	Grainyhead like protein 1 homolog
Synonyms:	LBP32; MGR; NH32; TFPC2L2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >SC126623 representing NM_198182.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGACACAGGAGTACGACAACAAACGGCCAGTGTGGTCTTCAGAATGAAGCACTTTATCCACAGCGG
CGGTCCTACACTAGTGAGGATGAGGCCTGGAATCCTTCTGGAAAACCCCTCACTGCAGCGACAAA
GCGATGATGAGCATCAATGGAGATGAAGACAGCGCCGCTGCGCTGGGCTGCTCTATGACTACTACAAG
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5' Read Nucleotide Sequence: >OriGene 5' read for NM_198182 unedited

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GGCCGCGAATTCGGCACCAGCAACCCGTGCGGGCCGCGCTCCGGACCCGCAGCCGCCGCCGCGCTC
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CGCGATGACACAGGAGTACGACAACAAACGGCCAGTGTGGTCTTCAGAATGAAGCACTTTATCCACA
GCGGCGGTCTCACTAGTGAGGATGAGGCCTGAAAATCCTTCTGGAAAACCCCTCACTGCAGCGAC
CAAAGCGATGATGAGCATCAATGGAGATGAAGACAGCGCCGCTGCGCTGGGCTGCTCTATGACTACTA
CAAGGTTCCAAGAGAGAGAAGGTCATCAACAGCAAAGCCAGAGGTGGAGCACCCCTGAGCCAGATCACAG
CAAAAGAAAACAGCATACCAATTGTGACAGAGCAGCCCTCATCTCTGCTGGAGAAAACAGAGTGCAAGT
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TGGTGGTTTTCGATCGGAATCTCATACTGACCAGTTCAGCTCTGGTGTCAA
  
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_198182 unedited TATAAAATTAATTCCTTTGGTTTAAATACATCTTCAATGATACAANTTAAAAATAACACACAAGACAAA ATCAACTTCATAAAAAATATAAAAGTTATATGACCCATATCCCATATCTTATCTTAGAAAACCAGCAAT TTAGTTCCCATACTTCATTAGAATACTTTAACCTAAGACTGTAACCTACCAGTCCATTTACACGAATGAC CTAGTCTAGTTCCTGAACCTAAAGATACCCGTGACTTTGTTATAAAATTACATATTTTAGTATTTTTA TATACTTAAATGTGTACAAAATGTTCCCTGCCATAGTAACGTATTTTTGTGAATTCATGAATGTTTTT TAGAATTGTTAACATACAAGATAATCAAAGCACGAAGGCTCTGATGCGTGATAAAAATAATCATTTCCCA AAACAGGAAGATGAGAACTGCATTTTCGAGTTGTATCACTTGGTACGCAATACTTGAATCTGTGTGCTG TAATTACAGTGTTTCTTCACTCTAAGTGATCTGACTGATACTAGCATAACAAAAGACGTGATGGCAGT AGTGGTTTTTTTTTACTTCATTGGTTAAACAGGGCAGAATTCCAATTAACACCTTTCTCAACAGCAAAA CAGAATCTTTGCCATTTGAGGAGTTTTGCTATGCTACCGAATGCCCGGTGTTGGACAAACAGGGAAA AACGCGTTTAGCCGGTTCCTAAGCCCCGTTTCCATTTGCGGGCGTTACCCGCACCAAAAATAA TTCAAACCTCTGGGCTAGGGCAAGTCCTTAAGGTGACTTTACTGGGATTTTCGCGCCATTCCGACCGGGC CTCTCGTGTGTTTTGCTCCGGTTCGGCCCGCTGTTCTTTTACGGGACCGGTTCAGTTGTTTTCT GTATAACGTCGCGTTTGTCTTACGGGTTGTCTGTTTCTTTGACGTATCCGCGGGCGGCCGCTCGG TTCATATTTTCATGGTTGAGGCGGTGTGTACCTGTTGTACCTTCGTCTTCTCGCAG
Restriction Sites:	NotI-NotI
ACCN:	NM_198182
Insert Size:	1857 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:	NM_198182.2
RefSeq Size:	3576 bp
RefSeq ORF:	1857 bp
Locus ID:	29841
UniProt ID:	Q9NZI5
Cytogenetics:	2p25.1
Protein Families:	Transcription Factors, Transmembrane
MW:	70.1 kDa

Gene Summary:

This gene encodes a member of the grainyhead family of transcription factors. The encoded protein can exist as a homodimer or can form heterodimers with sister-of-mammalian grainyhead or brother-of-mammalian grainyhead. This protein functions as a transcription factor during development. [provided by RefSeq, Jun 2009]