

## Product datasheet for **SC327947**

### 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:	GRHL1
Synonyms:	LBP32; MGR; NH32; TFCP2L2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_198182 edited  
CAACCCGTCGGGGCCGCCGCTCCGGACCCGACGCCGCCGCCCTCTCCCCCGGA  
TCGGGTGTACTGTCCCAACCCGAAAGTCCAGTTCTGCGGCCCGCAGCGCGAGCGGGC  
CGATGACACAGGAGTACGACAACAAACGCCAGTGTGGTTCTTCAAGAATGAAGCACTTT  
ATCCACAGCGGGCTCTACACTAGTGAGGATGAGGCCTGGAAATCCTTCTGAAAAACC  
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ATTTTCGTAATAGGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** Please inquire
- ACCN:** NM\_198182
- Insert Size:** 3600 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).
- OTI Annotation:** The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM\_198182.2.
- 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).

<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_198182.2</a> , <a href="#">NP_937825.2</a>
<b>RefSeq Size:</b>	3610 bp
<b>RefSeq ORF:</b>	1857 bp
<b>Locus ID:</b>	29841
<b>UniProt ID:</b>	<a href="#">Q9NZI5</a>
<b>Cytogenetics:</b>	2p25.1
<b>Protein Families:</b>	Transcription Factors, Transmembrane
<b>Gene Summary:</b>	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]