

## Product datasheet for **SC337899**

### GSE1 (NM\_001278184) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GSE1 (NM_001278184) Human Untagged Clone
Tag:	Tag Free
Symbol:	GSE1
Synonyms:	CRHSP24; KIAA0182
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001278184, the custom clone sequence may differ by one or more nucleotides

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ATGAAAGGGTCCCTCACTGAGCAGCGAGTCGTCCCCCGTGTCTCTCCGGCCACCAACCACAGCTCCCCCG
CCAGCACACCCAAGCGCGTGCCATGGGCCCTATCATCGTCCCCCTGGGGGCCACAGCGTGCCACGAC
CCCCCGTGGTGACCATCGCTCCAACCAAAACCGTGAATGGTGTCTGGAGGAGTGAGAGCCGGCAGGAT
GCCGGCTCCAGGAGCAGCAGTGGAGGTCGGGAACGCCTCATTGTGGAGCCCCCGTCCCTCAGGAGAAGG
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TGTGCAGGATCCCGCTCCCGCCACTCAACCTCCAGCGGCCCGTGCACCAGTGGTCCCCCAGTACC
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CAGGCCGAGAGCACCACAGGCCAGGACCAACCGTACGAGCCAGGTGGCCGTGACCTCCGACGAC
TTTGGGGGCCACCCTCTGATTCGCCCAAGCCCCAGCTCCATGCTGCACCCACGGCCCTCTGGAACC
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TGCATTTGAGCCAGCCGCCAGGCAGCCGTGCCGCTGGTGAAGGTGGAGCGGGTCTTCTGCCCGGAGAAA  
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 GAGAGGGAGGGAGCCTGGAGCACCAGCCCTTCTGCCCGGGCCCGGGCCCTTCTGGCTGAGCTCGAGAA  
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 CACCTCCGTTGCGTGCCGAGCAGCCGCCCTCAAAGTGGACACGTCCTTGAGAAGCTAGAGTTTTTGC  
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 CCTGCCGTCTCCCTGAGTGAACCAGCCACGAGCAAGCCTCTCTGGATGTGGAGAAGCCGGTTGGTGTG  
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 AGTGCTGAGTCCACCCAGAAGGCCCTGCAGAAGCATAAAGGGAGCGTGGCTGTGCTGTCTGCAGAGCAG  
 AACCACAAGGTTGACACGTCCTGCTCACTACAACATTCCTGAGCTGCAGTCTCCAGCCGCGCCCTCCAC  
 CCCAGCACAATGGGCAGCAGGAGCCCCACTGCAAGGAAGGGCCCCCAACCCAGGAGTTGACCCGGGA  
 CTCGGAGGAGGAGGAAGAGGAGGATGATGAAGATGGAGAAGATGAGGAGGAAGTCCCAAGCGCAAGTGG  
 CAAGGGATCGAGCCGTTTTTTGAAGCTTACCAGGAACACATAGAAGAGCAAAATCTGGAGCGCAGTGTG  
 TACAGACACAATGTAGACGACTGGAGGCCGCGCACTACAGCCTCAGCCTGACGGCAGAGCAGTCTCCCA  
 CAGCGTGGCGGAGTTGAGGAGCCAGAAACAGAAGATGGTCTCAGAAAGGAGCGGCTCCAGGCAGAACTG  
 GACCACTACGAAAGTGCCTTGCCTTGCCTGCAATGCACTGGCCTAGGGCTACCTGAAGGGATATCCCA  
 GGTGA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001278184
- 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:**
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\\_001278184.1](#), [NP\\_001265113.1](#)
- RefSeq Size:** 7271 bp

RefSeq ORF: 3435 bp

Locus ID: 23199

UniProt ID: [Q14687](#)

Cytogenetics: 16q24.1

**Gene Summary:** This gene encodes a proline-rich protein with coiled coil domains that may be a subunit of a BRAF35-HDAC (BHC) histone deacetylase complex. This gene may function as an oncogene in breast cancer and enhanced expression of the encoded protein has been observed in breast cancer patients. [provided by RefSeq, May 2017]

Transcript Variant: This variant (3) lacks an in-frame exon in the 5' coding region compared to variant 1, which results in a shorter isoform (3) missing an internal protein segment compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.