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Product datasheet for RC226332

GSE1 (NM_001134473) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GSE1 (NM_001134473) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GSE1
Synonyms:	CRHSP24; KIAA0182
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC226332 representing NM_001134473 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGGCCCTATCATCGTCCCCCCTGGGGGCCACAGCGTGCCCAGCACCCCCCCCGTGGTGACCATCGCTC CAACCAAAACCGTGAATGGTGTCTGGAGGAGTGAGAGCCGGCAGGATGCCGGCTCCAGGAGCAGCAGTGG AGGTCGGGAACGCCTCATTGTGGAGCCCCCGCTCCCTCAGGAGAAGGCAGGGGGACCAGCCATCCCCTCG CACCTGCTCAGCACCCCCTACCCCTTCGGCCTCTCCCCCAGCTCAGTTGTGCAGGATTCCCGCTTCCCGC CACTCAACCTCCAGCGGCCCGTGCACCACGTGGTGCCCCCCAGTACCGTGACCGAGGACTACCTGAGAAG CTTCCGGCCCTACCACACCACCGACGACCTCCGCATGTCCTCACTGCCTCCCCTCGGCCTGGACCCGGCC ACTGCTGCAGCCTACTACCACCCCAGCTACCTGGCCCCACACCCCTTCCCCCACCCGGCCTTCAGGATGG ACGACTCCTACTGCCTGTCTGCCCTGAGGTCCCCGTTCTACCCCATCCCCACCCCCGGCTCCCTGCCCCC ACTGCACCCATCAGCGATGCACCTGCACCTCTCTGGGGTCCGCTACCCTCCCGAGCTCTCCCACTCATCC CTGGCAGCGCTGCACTCGGAGCGCATGTCTGGCCTCAGCGCGGAGAGGCTGCAGATGGACGAGGAGCTAA GGCGGGAGAGGGAGCGCGAGCGCGAGCGCGAGCGTGAGCGTGAGGCTGACCGCGAGCGGGAGAAGGAACG TGAGCGCGAACGCGAGAAGGAGCGCGAGCAAGAGAAGGAGCGTGAGCGTGAGAAGGAGCGCGAGCGCGAG CTGGAGCGCCAGCGGGAGCAGCGGGCCCGGGAGAAGGAGCTGCTGGCCGCCAAGGCCCTGGAGCCCAGCT TCCTGCCCGTGGCCGAGCTGCATGGGCTGCGTGGCCATGCCACTGAGGAGCGGGGCAAGCCCTCGGAGCA GCTGACCCCAACCCGAGCAGAGAAGCTGAAGGATGCCGGCCTGCAGGCGCCCAAGCCCGTCCAACACCCC TTGCATCCGGTGCCCACCCCACACCACACGGTGCCCAGCCTCATCTCCAACCATGGCATCTTCTCTCTGC CTAGCAGCAGTGCTGCCACAGCCCTGCTGATCCAGCGCACCAATGAGGAGGAGAAGTGGCTGGCGCGGCA GCGGCGGCTGCGGCAGGAGAAGGAGGACCGGCAGTCTCAGGTGTCCGAGTTCCGGCAGCAGGTGCTGGAG CAGCACCTGGATATGGGCCGGCCCCCGGTGCCGGCGGAGGCAGAGCACAGGCCGGAGAGCACCACCAGGC CAGGACCAAACCGTCACGAGCCAGGTGGCCGTGACCCTCCGCAGCACTTTGGGGGGCCACCACCTCTGAT TTCGCCCAAGCCCCAGCTCCATGCTGCACCCACGGCCCTCTGGAACCCCGTGTCCCTGATGGACAACACC TTGGAGACGCGGCGGGCCGAAAGCCACTCTCTGCACAGCCACCCGGCTGCATTTGAGCCCAGCCGCCAGG

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Protein Sequence:

>RC226332 representing NM_001134473
Red=Cloning site Green=Tags(s)

MGPIIVPPGGHSVPSTPPVVTIAPTKTVNGVWRSESRQDAGSRSSSGGRERLIVEPPLPQEKAGGPAIPS
HLLSTPYPFGLSPSSVVQDSRFPPLNLQRPVHHVVPPSTVTEDYLRSFRPYHTTDDLRMSSLPPLGLDPA
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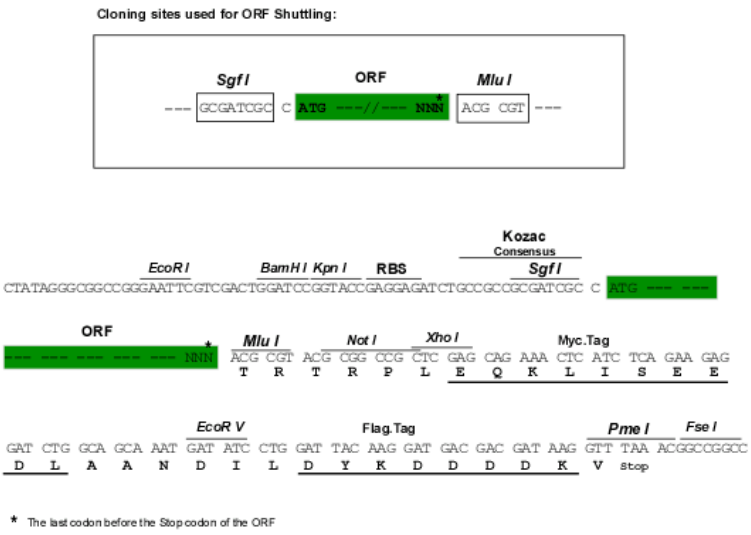
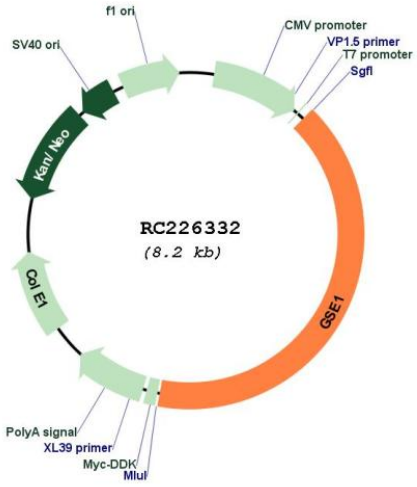
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001134473

ORF Size: 3339 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001134473.3
RefSeq ORF:	3342 bp
Locus ID:	23199
UniProt ID:	Q14687
Cytogenetics:	16q24.1
MW:	125.7 kDa
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]