

Product datasheet for **RC208186**

ZNF575 (NM_174945) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ZNF575
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC208186 ORF sequence, **codon optimized**.
Due to the complexity of NM_174945, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGAGAGAGGAGCCGAGTCCGCGAGCTGGCGCAACCGACCCAGTCCCACGGGCAAGGAGCCAGTGA
CTAAGGAGGCTCCCCACGAGGCCCCCTCAGAAGCTAGTCAGTCCGCACCTGGGCCCACTGCCTCAGC
AGGAAGTCCACCCGACCAAGGAGACGACCTCCACCCAGAGGCCACACAGATGTCCGGAAGTGCACAAG
GCATTCTCTATCCGTCCAAGCTCGTACTCATAGACTGGCCCATGGGGGTGCCGACCACATCCCTGCC
CTGACTGCCAAAGGCATTTTCTTACCCAGTAAGCTGGCGGCACATAGGTTGACCCACAGTGGTGACG
GCCCATCCGTGCTCCTCACTGTCCCAAATCTTTCGGACATAGATCCAACTCGCCGCACATCTGTGGACC
CATGCCCTACTCGCCCTACCCCTGTCCGATTGTCCCAAATCCTTTTGTATCCTTCCAACTGGCGG
CGCATAGACATACGCACCATGCAACTGACGCAAGGCCATATCCTTGCCACATTGTCCGAAGGCATTAG
CTTCCCAAGTAAGCTCGCGGCCACCGACTCTGCCACGATCCCCCACTGCGCCAGGATCTCAGGCTACC
GCCTGGCACC GTGCTAGCTGTGGACAGGCCTTTGGCCAGCGCGGCTGCTGCTTCTGCATCAGCGCT
CCCATCATCAAGTGGAGCACAAGGGCGAGCGCGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



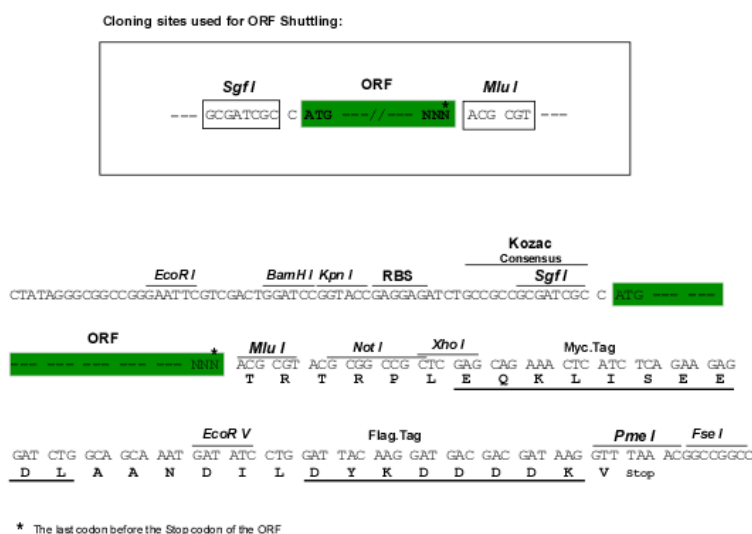
Protein Sequence: >RC208186 representing NM_174945
Red=Cloning site Green=Tags(s)

MLERGAESAAGATDPSPTGKEPVTKEAPHGQPQKPSQSAGPPTASAGSPRRRRPPPPQRPHRPCDCK
AFSYPSKLAATHRLAHGGARPHPCDCKPAFSYPSKLAHRLTHSGARPHPCPHCPKSFHGHSKLAHHLWT
HAPTRYPYPCDCKSFCYPSKLAHRRHTHAATDARPYPCPHCPKAFSPSKLAHRLCHDPPTAPGSQAT
AWHRCSGCGAFGORRLLLHORSHHOVEHKGERD

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_174945

ORF Size: 735 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_174945.1](#), [NM_174945.2](#), [NP_777605.1](#)

RefSeq Size: 1717 bp

RefSeq ORF: 738 bp

Locus ID: 284346

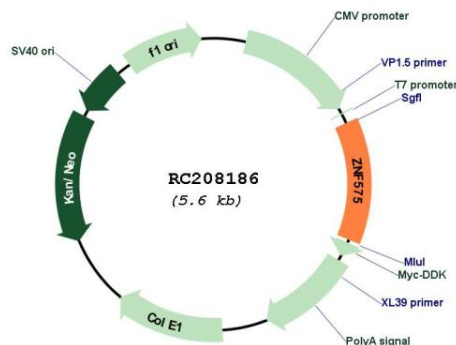
UniProt ID: [Q86XF7](#)

Cytogenetics: 19q13.31

MW: 26.8 kDa

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC208186