

Product datasheet for **RG207729**

EGFL6 (NM_015507) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	EGFL6
Synonyms:	MAEG; W80
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG207729 representing NM_015507
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCTCTGCCCTGGAGCCTTGCCTCCCGCTGCTGCTCTCCTGGGTGGCAGGTGGTTTCGGAACGCGG
 CCAGTGCAAGGCATCACGGTTGTTAGCATCGGCACGTGAGCCTGGGGTCTGTCACTATGGAACAACT
 GGCCTGCTGTACGGCTGGAGAAGAAACAGCAAGGGAGTCTGTGAAGCTACATGCGAACCTGGATGTAAG
 TTTGGTGAGTGCCTGGGACCAAAACAAATGCAGATGCTTTCCAGGATACACCGGGAACCTGCAGTCAAG
 ATGTGAATGAGTGTGAATGAAACCCCGGCCATGCCAACACAGATGTGTGAATACACACGGAAGCTACAA
 GTGCTTTTGCCTCAGTGGCCACATGCTCATGCCAGATGCTACGTGTGTGAACCTAGGACATGTGCCATG
 AATAACTGTCACTACAGCTGTGAAGACACAGAAGAAGGCCACAGTGCCTGTGTCCATCCTCAGGACTCC
 GCCTGGCCCCAAATGGAAGAGACTGTCTAGATATTGATGAATGTGCCTCTGGTAAAGTCATCTGTCCCTA
 CAATCGAAGATGTGTGAACACATTTGGAAGCTACTACTGCAATGTCACATTGGTTTCGAACTGCAATAT
 ATCAGTGGACGATATGACTGTATAGATATAAATGAATGTACTATGGATAGCCATACGTGCAGCCACCATG
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 TGGGAGAAAGACACGAGTGAAGATGAAAAGTGAAGACAGGGAATTCAGTTGTATCAAGGAAGTGTG
 CTACCAAAAGCATCATTTTGAAGCAGAACGTGGCAAGGGCAAAACCGGCGAAATCGCAGTGGATGGCGT
 CTGCTGTTTCAGGCTTATGTCCAGATAGCCTTTTATCTGTGGATGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

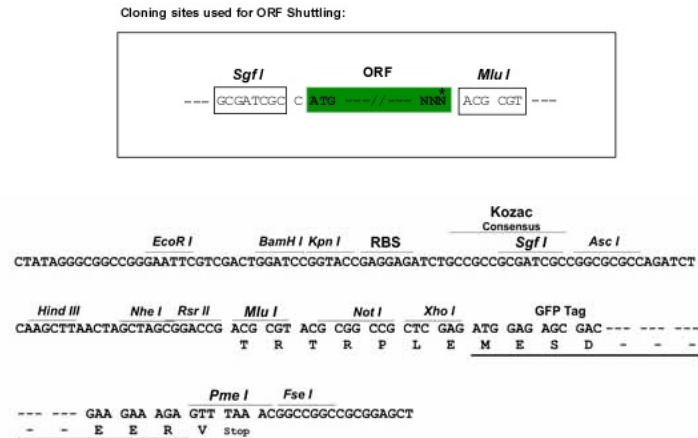
Protein Sequence: >RG207729 representing NM_015507
 Red=Cloning site Green=Tags(s)

MPLPWSLALPLLLSWVAGGFNAASARHHGLLASARQPGVCHYGTKLACCYGWRRNSKGVCEATCEPGCK
 FGECVGNPKRCRFPYTGKTCSDVNECGMKPRPCQHRVNTGHSYKFCFLSGHMLMPDATCVNSRTCAM
 INCQYSCDETEGPQCLCPSSGLRLAPNGRDCLDIDECASGKVICPYNRRVCNTFGSYCKCHIGFELQY
 ISGRYDCIDINECTMDSHTCSHHANCFNTQGSFKCKCKQGYKGNLRCSAIPENSVKEVLRAPGTIKDRI
 KLLLAHKNSMKKKAKIKNVTPEPTRPTPKVNLQPFNYEEIVSRGNSHGGKKGNEEKMLEDEKREE
 KALKNDIEERSLRGDVFFPKVNEAGEFGLILVQRKALTSKLEHKDLNISVDCSFNHGICDWQDREDDFD
 WNPADRDNAIGFYMAVPALAGHKDIGRLKLLLPDLQPQSNFCLLDYRLAGDKVGLRVFVKNSNNALA
 WEKTTSEDEKWKTKIQLYQGTDATKSIIFEARGKGKTGEIADVGVLLVSGLCPSDLLSVDD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015507

ORF Size: 1659 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.

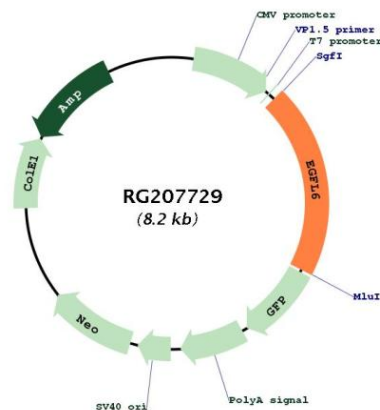
RefSeq: [NM_015507.4](#)

RefSeq Size: 2398 bp

RefSeq ORF:	1662 bp
Locus ID:	25975
UniProt ID:	Q8IUX8
Cytogenetics:	Xp22.2
Domains:	MAM, EGF_CA, EGF, EGF
Protein Families:	Druggable Genome

Gene Summary: This gene encodes a member of the epidermal growth factor (EGF) repeat superfamily. Members of this superfamily are characterized by the presence of EGF-like repeats and are often involved in the regulation of cell cycle, proliferation, and developmental processes. The gene product contains a signal peptide, suggesting that it is secreted; an EGF repeat region consisting of 4 complete EGF-like repeats and 1 partial EGF-like repeat, 3 of which have a calcium-binding consensus sequence; an arg-gly-asp integrin association motif; and a MAM domain, which is believed to have an adhesive function. This gene is expressed early during development, and its expression has been detected in lung and meningioma tumors. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG207729