

Product datasheet for **RG222557**

IGFL2 (NM_001002915) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: IGFL2 (NM_001002915) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: IGFL2
Synonyms: UNQ645; VPRI645
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG222557 representing NM_001002915
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGACCGACTACCCAGGAGTGTGCTGGCTCCTGCTTATGTGTCAGTCTGTCTCCTCCTTGTGTC
CAAGGGAAGTCATCGCTCCCGTGGCTCAGAACCATGGCTGTGCCAGCCGGCACCCAGGTGTGGAGACAA
GATCTACAACCCCTTGGAGCAGTGTGTTACAATGACGCCATCGTGTCCCTGAGCGAGACCCGCAATGT
GGTCCCCCTGCACCTTCTGGCCCTGCTTTGAGCTCTGCTGTCTTATTCTTTGGCCTCACAAACGATT
TTGTTGTGAAGCTGAAGTTTCAAGGTGTGAATCCAGTGCCACTCATCTCCATCTCCAGTAAATGTGA
AAGCAGAAGACGTTTTCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG222557 representing NM_001002915
Red=Cloning site Green=Tags(s)
MRTDYPRSVLAPAYVSVCLLLLCPREVIAPAGSEPWLCQPAPRCGDKIYNPLEQCCYNDAIVSLSETRQC
GPPCTFWPCFELCCLDSFGLTNDFFVVKLVQGVNSQCHSSPISKCESRRRFP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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:	<ol style="list-style-type: none">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:	<u>NM_001002915.1</u> , <u>NP_001002915.1</u>
RefSeq Size:	894 bp
RefSeq ORF:	393 bp
Locus ID:	147920
UniProt ID:	<u>Q6UWQ7</u>
Cytogenetics:	19q13.32
Protein Families:	Secreted Protein
Gene Summary:	IGFL2 belongs to the insulin-like growth factor (IGF; see MIM 147440) family of signaling molecules that play critical roles in cellular energy metabolism and in growth and development, especially prenatal growth (Emtage et al., 2006 [PubMed 16890402]).[supplied by OMIM, Mar 2008]