

Product datasheet for **SC115342**

GTL3 (CFAP20) (NM_013242) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | GTL3 (CFAP20) (NM_013242) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | GTL3 |
| Synonyms: | BUG22; C16orf80; EVORF; fSAP23; GTL3 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF within SC115342 sequence for NM_013242 edited (data generated by NextGen Sequencing) |

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ATGTTCAAAAACACGTTCCAGAGCGGCTTCTCTCCATCCTCTACAGCATCGGCAGCAAG
CCTCTGCAAATCTGGGACAAAAGGTACGGAATGGCCACATCAAAAAGAATCACTGATAAT
GACATCCAGTCCCTGGTCTAGAGATTGAAGGGACAAATGTAAGCACCACATATATCACA
TGCCCTGCAGACCCCAAGAAGACGCTGGGAATTAACCTCCTTTCTTGTGATGATTATC
AAAAACCTGAAGAAGTATTTTACCTTGAAGTGCAGGTAAGTACAGCAAGAATGTGCGT
CGTCGCTTTGGGCAAGTAACTACCAGAGCACCACCCGGGTCAAACCTTCATCTGCACC
ATGCCCATGCGGCTGGATGACGGCTGGAACCAGATTCACTTCACTTGTAGACTTACA
CGGCGAGCATACGGCACCAATTACATCGAGACCCTCAGAGTGCAGATCCATGCAAATTTG
CGCATCCGACGGGTTTACTTCTCAGACAGACTCTACTCAGAAGATGAGCTGCCGGCAGAG
TTCAAACGTATCTCCAGTTCAGAACAAGGCAAAGCAATAA
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Clone variation with respect to NM_013242.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_013242 unedited
GCACGAGGCCGCGCGGACGGTAGTTGCTGTGGTTCCGTTCTGAGCTCGCAGCTTAG
GAGCTGAAGATCGCGGACTTAGCGTTGCCGCTCCGAGTCCGGCCATCAGTGGCTGCAGA
TCCGGAGGCCAGGAGCTCAACCACCTTCTTCGGAACAGGGCCGGCTGCTGCTGTGCC
TCGACGCTCGGTGCCTGTATCTACTCCGGGCCTAGGTCCGGTCCGGGGCGGCTTAGGA
GAAGGCCGCGCGGAGATGTTCAAAAACACGTTCCAGAGCGGCTTCTCTCCATCCTCTA
CAGCATCGGCAGCAAGCCTCTGCAAATCTGGGACAAAAGGTACGGAATGGCCACATCAA
AAGAATCACTGATAATGACATCCAGTCCCTGGTCTAGAGATTGAAGGGACAAATGTAAG
CACCACATATATACATGCCCTGCAGACCCCAAGAAGACGCTGGGAATTAACCTCCTTT
CCTTGTGATGATTATCAAAAACCTGAAGAAGTATTTTACCTTGAAGTGCAGGTAAGT
TGACAAGAATGTGCGTCGCTTTTCGGGCAAGTAACTACCAGAGCACCACCCGGGTCAA
ACCTTCATCTGCACCATGCCATGCGGCTGGATGACGGCTGGA
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| | |
|-------------------------------|---|
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_013242 |
| Insert Size: | 1380 bp |
| 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: | <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: | NM_013242.2 , NP_037374.1 |
| RefSeq Size: | 1308 bp |
| RefSeq ORF: | 582 bp |
| Locus ID: | 29105 |
| UniProt ID: | Q9Y6A4 |
| Cytogenetics: | 16q21 |
| Domains: | DUF667 |
| Protein Families: | Transcription Factors |
| Gene Summary: | Cilium- and flagellum-specific protein that plays a role in axonemal structure organization and motility. Involved in the regulation of the size and morphology of cilia (PubMed:24414207). Required for axonemal microtubules polyglutamylation (PubMed:24414207).[UniProtKB/Swiss-Prot Function] |