

Product datasheet for **SC301923**

FLG2 (NM_001014342) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FLG2 (NM_001014342) Human Untagged Clone
Tag:	Tag Free
Symbol:	FLG2
Synonyms:	IFPS; PSS6
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001014342, the custom clone sequence may differ by one or more nucleotides

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ATGACCGACCTCTTGAGAAGTGTGTGTCACCGTAATTGATGTTTTCTACAAATACACCAAG
CAAGATGGGGAGTGTGGCACACTGAGCAAGGGTGAACAAAGGAACCTTCTGGAGAAAAG
CTTCATCCAGTTCTGAAGAACCAGATGATCCAGACACAGTGGATGTCATCATGCATATG
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GATACACCAGGACATAAATCAGGTTACAGACATTCAAGTTGGAGTGAGGGAGAGGAGCAT
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AGGCTAGGAAGACAAGGTAATTTATCCAGCTCTGGGAACCAAGAGGGATCTCAGAAAAGA
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GAGGAGTATGAATCTGGATCTGGATCAAACAGTTGGGAAAGGAAAGGTCATGGTGGTCTG
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GGCCAATATGGATCGGGCTCAGGTCAGTCTCTGGCTTTGGACAACATGGGTCTGGCTCA
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CACAGTTCTGGCTCAAGTCAGTCATCTGGCTATGGCCAACATGGGTCTAGACAGACATCT
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CATAGACCACACTCACAAGAACAACACTCACAGCCAAGTGGATCTCAACATGGAGAGTCA
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CATGGCCACTCTGGTCAAGTCAAGTCCACACAGAGAGGGTCCAGGACAACACTGGAAGAAGG
GGATCTGGCCATAGTGAAGTCCAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCA
CAATCACAAGAACAACACTCATGGCCAAGCCGATCTCAACATGGAGAGTCAAGGATCCACA
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TATCATCATGGAAAATCCACACAGAGAGGGTCCAGTACAACACTGGAAGAAGGGATCTGGC
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ACTCACGGCCAAAGTGGATCTCAACATGGAGAGTCAAGTCAAGTCAAGTCAAGTCAAGTCA
AGAATTAATCATGGACAGACAGGAGATACCACTAGACATTCCTACTCTGGTCAAGTCAAG
ACCACACAGACAGGGTCCAGGACAACACTGGAAGACAGAGAAGTCAAGTCAAGTCAAGTCA
GACAGTGAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
CAAGCCGGATCTCAACATGAAGAGCCAGAATTCACAGTTCATGAGAGACACGGAATCACT

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_001014342.1</u> , <u>NP_001014364.1</u>
RefSeq Size:	9147 bp
RefSeq ORF:	7176 bp
Locus ID:	388698
UniProt ID:	<u>Q5D862</u>
Cytogenetics:	1q21.3
Gene Summary:	The filaggrin-like protein encoded by this gene is upregulated by calcium, proteolyzed by calpain 1, and is involved in epithelial homeostasis. The encoded protein is required for proper cornification in skin, with defects in this gene being associated with skin diseases. This protein also has a function in skin barrier protection. In fact, in addition to providing a physical barrier, C-terminal fragments of this protein display antimicrobial activity against <i>P. aeruginosa</i> and <i>E. coli</i> . [provided by RefSeq, Jul 2020]