

Product datasheet for SC307022

LYG2 (NM_175735) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LYG2 (NM_175735) Human Untagged Clone
Tag:	Tag Free
Symbol:	LYG2
Synonyms:	LYGA2; LYGH; LYSG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307022 representing NM_175735. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTATCCTCCGTGGTGTGTTGGGGACTAATTGCCCTCATTGGCACTCCAGGGGCTCATACCCCTTC
AGTCACTCAATGAAGCCTCACCTACATCCACGCCTGTACCACGGCTGCTATGGGGACATCATGACCATG
AAGACCTCTGGGGCCACTTGTGATGCAAACAGTGTGATGAACTGCGGGATCCGTGGTTCTGAAATGTTT
GCTGAGATGGATTTGAGGGCCATAAACCTTACCAGACTCTGATCAAAGAAGTCGGGCAGAGACATTGC
GTGGACCCTGCTGTCATCGCAGCCATCATCTCCAGGAAAGCCATGGCGGATCTGTCCTGCAAGACGGC
TGGGACCACAGGGGACTTAAATTTGGCTTGATGCAGCTTGATAAACAACGTACCACCCTGTCGGTGCC
TGGGATAGCAAAGAGCACCTTTCACAGGCTACTGGGATTCTAACAGAGAGAATTAAGGCAATCCAGAAA
AAATTCACCGTGGAGTGTGCTCAGCACCTCAAAGGTGGTCTCTCAGCTTTTAAAGTCAGGAATTGAA
GCGATTGCCACCCATCGGACATAGACAATGACTTCGTCATGATATCATTGCTCGAGCTAAGTTCTAT
AAAAGACAAAGCTTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_175735
Insert Size:	639 bp



[View online »](#)

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_175735.3</u>
RefSeq Size:	880 bp
RefSeq ORF:	639 bp
Locus ID:	254773
UniProt ID:	<u>Q86SG7</u>
Cytogenetics:	2q11.2
Protein Families:	Secreted Protein
MW:	23.5 kDa
Gene Summary:	The protein encoded by this gene contains a SLT domain, a protein domain present in bacterial lytic transglycosylase (SLT) and in eukaryotic lysozymes (GEWL). SLT domain catalyzes the cleavage of the beta-1,4-glycosidic bond between N-acetylmuramic acid (MurNAc) and N-acetylglucosamine (GlcNAc). [provided by RefSeq, Jul 2008]