

Product datasheet for **RC223549**

LYG2 (NM_175735) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LYG2 (NM_175735) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LYG2
Synonyms:	LYGA2; LYGH; LYSG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223549 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTATCCTCCGTGGTGTGTTGGGGACTAATTGCCCTCATTGGCACTTCCAGGGGCTCATACCCCTTCA
GTCACCTCAATGAAGCCTCACCTACATCCACGCCTGTACCACGGCTGCTATGGGGACATCATGACCATGAA
GACCTCTGGGGCCACTTGTGATGCAAACAGTGTGATGAACTGCGGGATCCGTGGTTCTGAAATGTTTGT
GAGATGGATTTGAGGGCCATAAAACCTTACCAGACTCTGATCAAAGAAGTCGGGCAGAGACATTGCGTGG
ACCCTGCTGTATCGCAGCCATCATCTCCAGGGAAAGCCATGGCGGATCTGTCTGCAAGACGGCTGGGA
CCACAGGGGACTTAAATTTGGCTTGATGCAGCTTGATAAAACAAACGTACCACCCTGTCGGTGCCTGGGAT
AGCAAAGAGCACCTTTCACAGGCTACTGGGATTCTAACAGAGAGAATTAAGGCAATCCAGAAAAATTCC
CCACGTGGAGTGTGCTCAGCACCTCAAAGGTGGTCTCTCAGCTTTTAAGTCAGGAATTGAAGCGATTGC
CACCCCATCGGACATAGACAATGACTTCGTCAATGATATCATTGCTCGAGCTAAGTTCTATAAAAGACAA
AGCTTC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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.

RefSeq: [NM_175735.3](#), [NP_783862.2](#)

RefSeq Size: 880 bp

RefSeq ORF: 639 bp

Locus ID: 254773

UniProt ID: [Q86SG7](#)

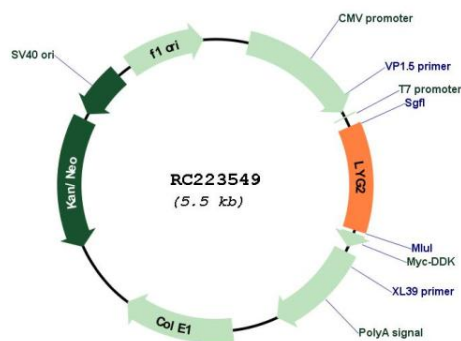
Cytogenetics: 2q11.2

Protein Families: Secreted Protein

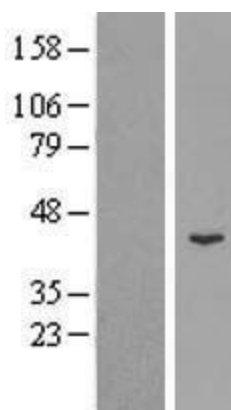
MW: 23.5 kDa

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]

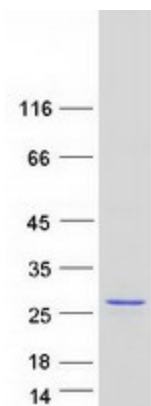
Product images:



Circular map for RC223549



Western blot validation of overexpression lysate (Cat# [LY406247]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223549 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LYG2 protein (Cat# [TP323549]). The protein was produced from HEK293T cells transfected with LYG2 cDNA clone (Cat# RC223549) using MegaTran 2.0 (Cat# [TT210002]).