

Recombinant Human Lysozyme G-like 2, His-tagged

Cat. No. LYG2-7181H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human LYG2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 23.9 kDa.
Species	Human
Source	E.coli
ProteinLength	20-212aa
Description	LYG2, also as known as lysozyme G-like 2 and LYGH, belongs to the glycosyl hydrolase 23 family. Lysozyme plays an important role in human innate immunity by causing bacterial cell lysis. The protein 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).
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	23.9 kDa (216aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSSYPFSHS MKPHLHPRLY HGCYGDIMTM KTSGATCDAN SVMNCGIRGS EMFAEMDLRA IKPYQTLIKE VGQRHCVDPA VIAAISRES HGGSVLQDGW DHRGLKFGLM QLDKQTYHPV GAWDSKEHLS QATGILTERI KAIQKKFPTW SVAQHLKGGL SAFKSGIEAI ATPSDIDNDF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	VNDIIRAKF YKRQSF
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	LYG2 lysozyme G-like 2 [Homo sapiens]
Official Symbol	LYG2
Synonyms	LYG2; lysozyme G-like 2; lysozyme g-like protein 2; LYGH; MGC119046; MGC119047; MGC119049;
Gene ID	254773
mRNA Refseq	NM_175735
Protein Refseq	NP_783862
UniProt ID	Q86SG7
Chromosome Location	2q11.2
Function	hydrolase activity, acting on glycosyl bonds; lysozyme activity;

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