

**LYG2, 20-212aa, Human, His tag, E.coli**

**Cat.NO.: TP02864**

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3th Edition

**Synonyms:** lysozyme G-like 2, LYGH.

**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 Weight:** 23.9 kDa (216aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSSYPFSHSMKPHLHPRLYHGCVGDIMTMKTSGATCDANSVMNCGIRGSEMF  
AEMDLRAIKPYQTLIKEVGRHCVDPVAVIAIISRESHGGSVLQDGDHRGLKFGLMQLDKQTYHPVGAWDSKEHL  
SQATGILTERIKAIQKKFPTWSVAQHLKGGLSAFKSGIEAIATPSDIDNDFVNDIIRAKFYKRQSF

**Purity:** > 95% by HPLC

**Concentration:** 0.5 mg/ml

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**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.