

LYG2 Protein, Human, Recombinant (His)

General Information

Synonyms:	LYGH;Lysozyme G-Like Protein 2;LYG2
Protein Construction:	Ser20-Phe212
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q86SG7
Molecular Weight:	23-27 KDa (reducing condition)
AA Sequence:	Ser20-Phe212

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, 10% Glycerol, pH 7.2.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Lysozyme G-Like Protein 2 (LYG2) is a secreted protein that belongs to the glycosyl hydrolase 23 family. LYG2 contains one SLT domain, one protein domain present in bacterial lytic transglycosylase (SLT) and in eukaryotic lysozymes (GEWL). SLT domain catalyzes the cleavage of the β-1,4-glycosidic bond between N-acetylmuramic acid (MurNAc) and N-acetylglucosamine (GlcNAc). LYG2 has hydrolase activity which acting on glycosyl bonds, and possess lysozyme activity.

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