9051 Mira Mesa Blvd, #910094
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LYG2 Human

Lysozyme G-Like 2 Human Recombinant
RCP1287

Product Overview

Name	LYG2 Human
Description	
Lysozyme G-Like 2 Human Recombinant	
Accession (Primary)	Q86SG7
Synonyms	
Lysozyme G-Like 2, Lysozyme G-Like Protein 2, LYGH, EC 3.2.1.-.	
Introduction	
lysozyme G-like 2 and LYGH (LYG2), is a member of the glycosyl hydrolase 23 family. Lysozyme takes part in human innate immunity by causing bacterial cell lysis. LYG2 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-acetyglucosamine (GlcNAc).	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The LYG2 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 1mM DTT and 20% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS SYPFSHS MKPHLHPRLY HGCYGDIMTM KTSGATCDAN SVMNCGIRGS EMFAEMDLRA IKPYQTLIKE VGQRHCVDPA VIAAIISRES HGGSVLQDGW DHRGLKFGLM QLDKQTYHPV GAWDSKEHLS QATGILTERI KAIQKKFPTW SVAQHLKGGL SAFKSGIEAI ATPSDIDNDF VNDIIARAKF YKRQSF.	
Precautions	
LYG2 Human is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (Q86SG7)