

32-4141: Recombinant Human Lysozyme G-Like 2

Alternative Name : Lysozyme G-Like 2, Lysozyme G-Like Protein 2, LYGH, EC 3.2.1.-.

Description

Source : E.coli. LYG2 Human Recombinant produced in E. coli is a single polypeptide chain containing 216 amino acids (20-212) and having a molecular mass of 23.9 kDa. LYG2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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-acetylglucosamine (GlcNAc).

Product Info

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The LYG2 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 1mM DTT and 20% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSSYPFSHS MKPHLHPRLY HGCGDIMTM KTSGATCDAN SVMNCGIRGS EMFAEMDLRA IKPYQTLIKE VGQRHCVDPA VIAAISRES HGGSVLQDGW DHRGLKFGLM QLDKQTYHPV GAWDSKEHLS QATGILTERI KAIQKKFPTW SVAQHLKGGGL SAFKSGIEAI ATPSDIDNDF VNDIIRAKF YKRQSF.