

Recombinant Human Lysozyme G-like 1/LYG1 Protein (His Tag)

Catalog Number: PKSH030627

Note: Centrifuge before opening to ensure complete recovery of vial contents.

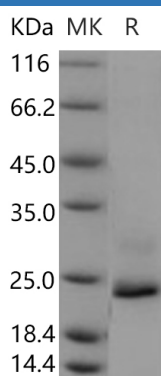
Description

Species	Human
Source	Baculovirus-Insect Cells-derived Human Lysozyme G-like 1/LYG1 protein Met 1-Phe194, with an C-terminal His
Calculated MW	20.7 kDa
Observed MW	22 kDa
Accession	Q8N1E2
Bio-activity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 20% glycerol Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Lysozyme G-like 1 belongs to the glycosyl hydrolase 23 family. Glycoside hydrolases are a widespread group of enzymes that hydrolyse the glycosidic bond between two or more carbohydrates, or between a carbohydrate and a non-carbohydrate moiety. Lysozyme G-like 1 exhibits hydrolase activity, acting on glycosyl bonds (inferred); lysozyme activity (inferred). It is found in extracellular region and may functions in cell wall macromolecule catabolic process, metabolic process and peptidoglycan catabolic process. The lysozyme G gene structure has been largely conserved during vertebrate evolution, except at the 5' end of the gene, which varies in number of exons.

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