



Recombinant Protein Technical Manual

**Recombinant Human Lysozyme G-like 1/LYG1
Protein (His Tag)**
RPES3930

Product Data:

Product SKU: RPES3930

Size: 20µg

Species: Human

Expression host: Baculovirus-Insect Cells

Uniprot: Q8N1E2

Protein Information:

Molecular Mass: 20.7 kDa

AP Molecular Mass: 22 kDa

Tag: C-His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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% gly

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: SALW1939

Immunogen Information:

Sequence: Met 1-Phe194

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.