

32-13788: PGLYRP1 Human, HEK

Format : The PGLYRP1 solution (0.25mg/1ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.

Alternative Name : PGLYRP, PGRP, PGRP-S, PGRPS, TAG7, TNFSF3L, Peptidoglycan recognition protein 1, peptidoglycan recognition protein short.

Description

Source:HEK293 Cells.

Physical Appearance:Sterile filtered colorless solution.

Biological ActivityMeasured by its binding ability in a functional ELISA with Peptidoglycan. The ED50 range = 30 ng/ml.

Peptidoglycan Recognition Protein 1 (PGLYRP1) is a member of the N-acetylmuramoyl-L-alanine amidase 2 family. PGLYRP1 binds to peptidoglycan of bacteria and affects the peptidoglycan biosynthesis. PGLYRP1 displays bactericidal activity towards Gram-positive bacteria and is bacteriostatic towards Gram-negative bacteria. PGLYRP1 has a role in innate immunity. PGLYRP1 is highly expressed in the bone marrow, and weakly expressed in the kidney, liver, small intestine, spleen, thymus, peripheral leukocyte, lung, fetal spleen and neutrophils.

PGLYRP1 Human Recombinant produced in HEK293 Cells is a single, glycosylated polypeptide chain containing 184 amino acids (22-196 a.a) and having a molecular mass of 20.5 kDa.PGLYRP1 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 10 µg / 2 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

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 : DGSQETEDPA CCSPIVPRNE WKALASECAQ HLSLPLRYVV VSHTAGSSCN TPASCQQQAR
NVQHYHMKTL GWCDVGYNFL IGEDGLVYEG RGWNFTGAHS GHLWNPMSIG ISFMGNYMDR
VPTPQAIRAA QGLLACGVAQ GALRSNYVLK GHRDVQRTLS PGNQLYHLIQ NWPHYRSPHH HHHH