Recombinant human LYG2 protein

Catalog Number: ATGP1749

PRODUCT INFORMATION

Expression system
E.coli

Domain
20-212aa

UniProt No.
Q86SG7

NCBI Accession No.
NP_783862

Alternative Names
lysozyme G-like 2, LYGH

PRODUCT SPECIFICATION

Molecular Weight
23.9 kDa (216aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol,1mM DTT

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
LYG2, also as known as lysozyme G-like 2 and LYGH, belongs to the glycosyl hydrolase 23 family. Lysozyme plays an important role in human innate immunity by causing bacterial cell lysis. The protein 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). Recombinant human LYG2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

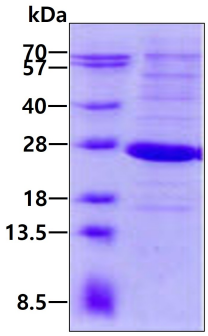
<MGSSHHHHHH SSGLVPRGSH MGS>SYPFSHS MKPHLHPRLY HGCYGDIMTM KTSGATCDAN SVMNCGIRGS EMFAEMDLRA IKPYQTLIKE VGQRHCVDPA VIAAIISRES HGGSVLQDGW DHRGLKFGLM QLDKQTYHPV GAWDSKEHLS QATGILTERI KAIQKKFPTW SVAQHLKGGL SAFKSGIEAI ATPSDIDNDF VNDIIARAKF YKRQSF

General References

Huang P, et al. (2011) Mol Immunol. 48(4):524-31

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.