

PGLYRP1 Protein, Human, Recombinant (hFc)

General Information

| | |
|-----------------------|--|
| Synonyms: | PGLYRP1;TAG7;PGLYRP;PGRP-SMGC126894;PGRP;Tasg7;TNFSF3L;PGRP-S;PGRPSMGC126896 |
| Protein Construction: | Gln22-Pro196 |
| Species: | Human |
| Expression Host: | HEK293 Cells |
| Accession: | O75594 |
| Molecular Weight: | 46.2 kDa (predicted). Due to glycosylation, the protein migrates to 55-60 kDa based on Tris-Bis PAGE result. |

QC Testing

| | |
|----------------------|--|
| Biological Activity: | Immobilized Human TREM1, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human PGLYRP1, hFc Tag with the EC50 of 0.32µg/ml determined by ELISA. |
| Purity: | > 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC |
| Endotoxin: | < 1.0 EU/µg of the protein as determined by the LAL method. |
| Formulation: | Supplied as 0.22 µm filtered solution in PBS (pH 7.4). |

Preparation and Storage

Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Innate immunity protein Tag7 (PGRP-S, PGLYRP1) can interact with the TNFα receptor, TNFR1, and block the transduction of apoptotic signals through this receptor. A complex formed between the Tag7 protein and the major heat shock protein Hsp70 can activate TNFR1 receptor and induce tumor cell death via either apoptotic or necroptotic pathway.

Reference

Romanova EA, et al. A 12-mer Peptide of Tag7 (PGLYRP1) Forms a Cytotoxic Complex with Hsp70 and Inhibits TNF-Alpha Induced Cell Death. Cells. 2020 Feb 20;9(2):488. doi: 10.3390/cells9020488. PMID: 32093269; PMCID: PMC7072780.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481