



Sales Enquires: [sales@absoluteantibody.com](mailto:sales@absoluteantibody.com)  
Support Queries: [support@absoluteantibody.com](mailto:support@absoluteantibody.com)  
Tel: +44 (0) 1865 920810  
Fax: +44 (0) 1865 920811  
[absoluteantibody.com](http://absoluteantibody.com)

## Recombinant Mouse CD70 Fc-Fusion Protein

Cat No: Pr00161-1.28

### Product Summary

**Description:** Recombinant mouse CD70 Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

**Protein:** Mouse CD70

**Fc domain:** Mouse IgG1

**Structure / Form:** Disulfide-linked homodimer

**Species:** Mouse

**Construct Design Note(s):** The extracellular domain of CD70 has been fused to the Fc domain of mouse IgG1.

**Host:** HEK293

**UniProt Accession Number:** O55237

**Alternative Description:** CD70 antigen; CD27 ligand; CD27-L; Tumor necrosis factor ligand superfamily member 7; CD70; CD70-Ig; CD70-Fc chimera; CD70 (Fc tag)

**Published Application(s):**

**Tested Applications(s):**

**Activity:** Cytokine that binds to CD27. Plays a role in T-cell activation. Induces the proliferation of costimulated T-cells and enhances the generation of cytolytic T-cells [Uniprot].

### Product Form

**Purification:** IMAC purified

**Supplied in:** 0.1 mg size: PBS with preservative (0.02% Proclin 300), 1 mg size: PBS only.

**Endotoxin:** <1.0 EU/mg

**Shipping:** The product is shipped on blue ice. Upon receipt, store it immediately at the temperature recommended.

**Storage Recommendation:** Store at 4°C for up to 1 month. For longer term storage aliquot in small volumes and store at -20°C. Avoid repeated freeze-thaw cycles.

**SDS PAGE Purity:** >95%, as determined by SDS-PAGE and visualized by Coomassie Brilliant Blue.

**Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals**

Cat No: Pr00161-1.28 Recombinant Mouse CD70 Fc-Fusion Protein

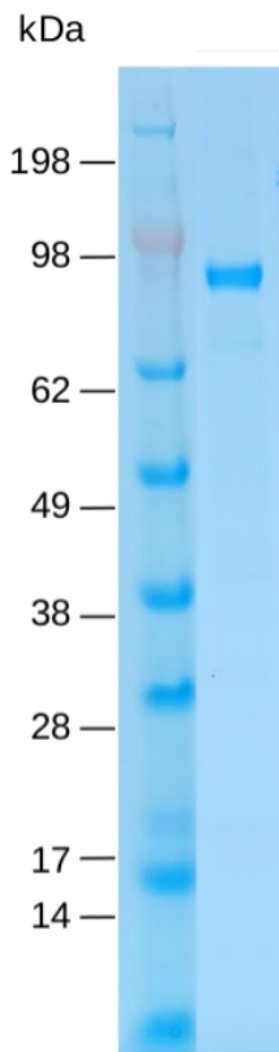
**Fc-Fusion Sequence (monomer)**

HHHHHHVPRDCGCKPCICTVPEVSSVFIFPPKPKDVLMSLTPKVTCVVVDISKDDPEVQFSWFVDDVEVHTAQTTPRE  
EQINSTFRSVSELPILHQDWLNGKEFKRCRVNSAAFPAPIEKTISKTKGRPKAPQVYTIPPPKEQMAKDKVSLTCMITNFF  
PEDITVEWQWNGQPAENYKNTQPIMDTDGSYFVYSKLNQKSNWEAGNTFTCSVLHEGLHNNHTEKSLSHSPGAGG  
GGSGGGGSLSKQQRLLHPEPHTAELQLNLTVPRKDPTLRWGAGPALGRSFTHGPELEEGHLRIHQDGLYRLHIQV  
TLANCSSPGSTLQHRATLAVGICSPAAGHISLLRGRFGQDCTVALQRLTYLVHGDVLCNTLPLPSRNADETFFGVQW  
ICP

Underlined amino acids sequence include a G4S linker and 6xHis epitope tag, respectively.

**Calculated Molecular weight (dimer):** 87590 Da

**Extinction coefficient:** 96830 (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).



**CD70 (Pr00161-1.28) SDS-PAGE.** Pr00161-1.28 under non-reducing conditions resolved by SDS-PAGE and stained using Coomassie-Blue.

**Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals**