



## Product Datasheet

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### Recombinant Human BY55 Fc-Fusion Protein

Cat No: Pr00244-10.9

## Product Summary

**Description:** Recombinant human BY55 Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

**Protein:** Human BY55

**Fc domain:** Human IgG1

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

**Species:** Human

**Construct Design Note(s):** The extracellular domain of BY55 has been fused to the Fc domain of human IgG1.

**Host:** HEK293

**UniProt Accession Number:** O95971

**Alternative Description:** CD160 antigen, Natural killer cell receptor BY55, CD160; BY55-Ig; BY55-Fc chimera; BY55 (Fc tag)

**Published Application(s):**

**Tested Applications(s):**

**Activity:** Receptor showing broad specificity for both classical and non-classical MHC class I molecules [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**

**Fc-Fusion Sequence (monomer)**

INITSSASQEGTRLNLICTVWHKKEEAEGFVVFLCKDRSGDCSPETSLKQLRLKRDPGIDGVGEISSQLMFTISQVTPLH  
SGTYQCCARSQKSGIRLQGHFFSILFTETGNYTVTGLKQRQHLEFSHNEGTLSGGGGSEPKSQDKTHTCPPCPAPPELL  
GGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQD  
WLNQKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNY  
KTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSPGHHHHHH

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

**Calculated Molecular weight (dimer):** 84439.48 Da

**Extinction coefficient:** 89430 (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).

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