



Recombinant Human NCTR3 Fc-Fusion Protein

Cat No: Pr00126-10.9

Product Summary

Description: Recombinant human NCTR3 Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

Protein: Human NCTR3

Fc domain: Human IgG1

Structure / Form: Disulfide-linked homodimer

Species: Human

Construct Design Note(s): The extracellular domain of NCTR3 has been fused to the Fc domain of human IgG1.

Host: HEK293

UniProt Accession Number: O14931

Alternative Description: Natural cytotoxicity triggering receptor 3, Activating natural killer receptor p30, Natural killer cell p30-related protein, NK-p30, NKp30, CD337; NCTR3-Ig; NCTR3-Fc chimera; NCTR3 (Fc tag)

Published Application(s):

Tested Applications(s):

Activity: Cell membrane receptor of natural killer/NK cells that is activated by binding of extracellular ligands including BAG6 and NCR3LG1. Stimulates NK cells cytotoxicity toward neighboring cells producing these ligands. It controls, for instance, NK cells cytotoxicity against tumor cells. Engagement of NCR3 by BAG6 also promotes myeloid dendritic cells (DC) maturation, both through killing DCs that did not acquire a mature phenotype, and inducing the release by NK cells of TNFA and IFNG which promote DC maturation [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

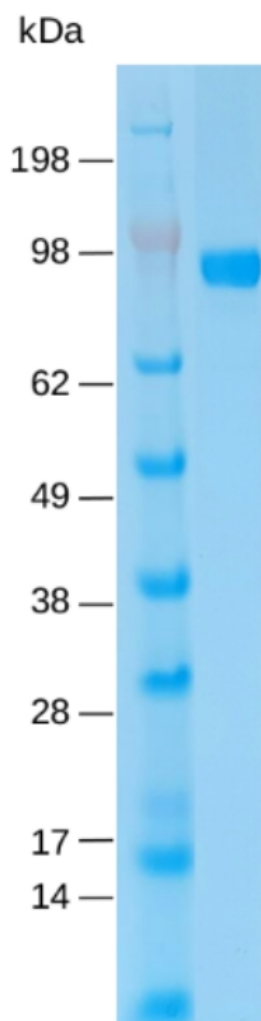
Fc-Fusion Sequence (monomer)

LWVSQPPEIRTLEGSSAFLPCSFNASQGRLAIGSVTWFRDEVVPGKEVRNGTPEFRGRLAPLASSRFLHDHQAEHLIR
DVRGHDASIYVCRVEVLGLGVGTGNGTRLVVEKEHPQLGAGTVGGGGSEPKSQDKTHTCPPCPAPPELLGGPSVFLFP
PKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKC
KVSNAKALPAIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDS
DGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGHHHHH

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

Calculated Molecular weight (dimer): 80557 Da

Extinction coefficient: 97000 (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).



NCTR3 (Pr00126-10.9) SDS-PAGE. Pr00126-10.9 under non-reducing conditions resolved by SDS-PAGE and stained using Coomassie-Blue.

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