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Data Sheet

CD40

Human, recombinant, Fc fusion protein
Catalog #: 71174
Lot #: 140528-D **Conc.:** 0.9 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol.

Stability: At least 6 months at –80°C. *Avoid freeze/thaw cycles. Protein may be diluted to ≥ 100 µg/ml in PBS + glycerol and stored at -80°C.*

Endotoxin Level: <0.1 EU/µg

References:

1. Wilcox, R.A., *et al., J. Clin. Invest.* 2002; **109(5)**: 651-659.
2. Foell, J. *et al., J. Clin. Invest.* 2003; **111(10)**: 1505-1518.

Description:
Human secreted CD40, Fc fusion protein, also known as Tumor Necrosis Factor Receptor Superfamily Member 5, TNFRSF5, and Bp50, GenBank Accession No. NM_001250, a.a. 21-193 expressed in a HEK293 cell expression system. MW = 45.9 kDa (monomer). This protein runs at a higher MW by SDS-PAGE due to glycosylation.

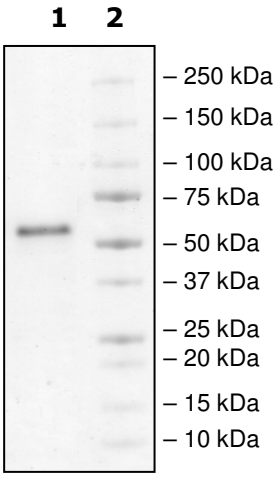
Application:
Useful for studying protein binding and screening small molecules.

Quality Assurance

4-20% SDS-PAGE
Coomassie staining

Lane 1:
3 µg CD40
Lane 2:
Protein Marker

MW: 45.9 kDa + glycans
Purity: ≥90%



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Sequence

EPPTACREKQYLINSQCCSLCQPGQKLVSDCTEFTETECLPCGESEFLDTWNRETHC
HQHKYCDPNLGLRVQQKGTSETDTICTCEEGWHCTSEACESCVLHRSCSPGFGVKQI
ATGVSDTICEPCPVGFFSNVSSAFEKCHPWTSCETKDLVVQQAGTNKTDVVCGPQDR
LRDIEGRMDPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDV
SHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKV
SNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWES
NGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKS
LSLSPGK

Black: CD40 (a.a. 21-193)
Green: linker
Red: Fc of human IgG1 (a.a. 100-330)

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