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ProductInformation

Fas Intracellular Domain

Human, recombinant
expressed in *E. Coli*

Product Number **F 2053**

Storage Temperature -70°C

Synonyms: APO-1 intracellular domain; CD-95 intracellular domain; Fas IC

Product Description

Fas Intracellular Domain (Fas IC) is a human, recombinant protein containing an N-terminal histidine tag and amino acids 191-335 of the Fas protein expressed in *E. Coli*. It has a molecular weight of 18.8 kDa.

Fas is a widely expressed membrane receptor, responsible for controlling tissue homeostasis and immune responses. The Fas receptor is activated by Fas Ligand causing its trimerization. The aggregated Fas intracellular death domain recruits, via the FADD adapter, pro-caspase-8 and forms a DISC (death-including signaling complex). Caspase 8, in turn, activates the downstream caspases, such as caspase 3, culminating in apoptosis.

Purity: minimum 90% (SDS-PAGE)

This product is supplied as a solution in 50 mM Tris-HCl, pH 8.0 at 4°C , 2 mM EDTA, 2 mM DTT, 300 mM NaCl, 0.05% Igepal CA-630, and 10% sucrose.

Precautions and Disclaimer

This product is for laboratory use only, not for drug, household, or other use. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices

Storage/Stability

This product ships on dry ice and storage at -70°C is recommended. Avoid freeze-thaw cycles

References

1. O'Connell, J., et al., The Fas counterattack: cancer as a site of immune privilege. *Immunology Today*, **20**, 46-52 (1999).
2. Whiteside, T.L., and Rabinowich, H., The role of Fas/FasL in immunosuppression induced by human tumors. *Cancer Immunol. Immunother.*, **46**, 175-184 (1998).
3. Myc, A., et al., Characterization of FAP-1 expression and function in thyroid follicular cells. *Endocrinology*, **140**, 5431 (1999).

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