

## Active Recombinant Human TNFSF12 protein, mFc-tagged

Cat. No. TNFSF12-943H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TNFSF12 protein(F7HGN4) (Ser94-His249) was expressed in HEK293, fused with the Fc region of mouse IgG1 at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Ser94-His249
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	<ol style="list-style-type: none"> <li>1. Measured in a cell proliferation assay using HUVEC human umbilical vein endothelial cells. The ED50 for this effect is typically 2-8 ng/mL.</li> <li>2. Immobilized Cynomolgus mFc-TNFSF12 at 10 µg/ml (100 µl/well) can bind human Fc-TNFRSF12A, The EC50 of human Fc-TNFRSF12A is 0.07-0.15 µg/ml.</li> </ol>
<b>Molecular Mass</b>	The recombinant human / cynomolgus TNFSF12 is a disulfide-linked homodimer. The reduced monomer comprises 392 amino acids and has a calculated molecular mass of 43.8 KDa. The apparent molecular mass of it is approximately 34 and 47 KDa respectively in SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method

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<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized powder in sterile water to 100-200 ug/ml, and further dilute with other solvents. The dissolved protein can be stored at 4°C for 2-7 days and should be used up as soon as possible. If not in use for a short time, please store at -20°C.

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