

Recombinant Human TNFSF14 protein, N-hFc-Avi Tag, Biotinylated

Product Information

Cat	IMP-388
Official Symbol	TNFSF14
Product Overview	<i>Biotinylated Recombinant Human TNFSF14 protein(NP_001363816.1) (Asp74-Val240) was expressed in HEK293, fused with a N-terminal Fc region of human IgG1 tagged AVI tag at the N-terminus.</i>
Description	<i>TNFSF14, also known as TNFSF14 or CD258, is a newly identified member of the TNF superfamily (TNFSF14) that is expressed by activated T lymphocytes, monocytes, granulocytes, spleen cells, and immature dendritic cells. TNFSF14 / TNFSF14 / CD258 is a type II transmembrane protein that is known to bind 2 membrane-bound TNFSF signaling receptors: HVEM, which is predominantly expressed by T cells, and lymphotoxin β receptor (LTβR), which is expressed by stromal cells and nonlymphoid hematopoietic cells. TNFSF14 / TNFSF14 / CD258 also binds to a soluble non-signaling receptor, decoy receptor 3 (DcR3), which can modulate the function of TNFSF14 in vivo. TNFSF14 / TNFSF14 / CD258 can also costimulate T cell responses via HVEM, which is constitutively expressed in most lymphocyte subpopulations, including CD4 and CD T cells. In addition, TNFSF14 / TNFSF14 / CD258 has been shown to suppress tumor formation in vivo and to induce tumor cell apoptosis via the up-regulation of intercellular adhesion molecule 1 and an increased lymphocyte adhesion to cancer cells. Thus, TNFSF14 / TNFSF14 / CD258 is being actively investigated as a possible basis for cancer treatment.</i>
Expression System	HEK293
Species	Human
Tag	N-hFc-Avi Tag
Predicted N Terminal	Gly
Form	<i>Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.</i>
Molecular Mass	<i>The recombinant human TNFSF14 consists of 420 amino acids and predicts a molecular mass of 46.7 kDa.</i>
Protein length	Asp74-Val240
Endotoxin	< 1.0 EU per μ g protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.

Storage

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.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.