

# Recombinant Human TNFSF18 protein (His Tag)

Catalog Number: Eg32094

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p><b>Purity:</b> &gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b> &lt;1.0 EU/ µg protein, LAL method</p> <p><b>Source:</b> HEK293-derived Human TNFSF18 protein Gln50-Ser177 (Accession# Q9UNG2) with a His tag at the N-terminus.</p> <p><b>GeneID:</b> 8995</p> <p><b>Accession:</b> Q9UNG2</p> <p><b>Predicted Molecular Mass:</b> 20.9 kDa</p> <p><b>SDS-PAGE:</b></p> <p><b>Formulation:</b> Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p><b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <p><b>Shipping:</b> The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>TNFSF18 is also named as Glucocorticoid-induced TNF-related ligand (hGITRL). GITR is a gene coding for a member of the TNF receptor superfamily. GITR activation by its ligand (GITRL) influences the activity of effector and regulatory T cells, thus participating in the development of immune response against tumours and infectious agents, as well as in autoimmune and inflammatory diseases. GITR-GITRL interactions co-stimulate both responder T-cell functions and the suppressive functions of TReg cells. GITRL is expressed at high levels in the small intestine, ovary, testis, kidney and endothelial cells.</p>		
References	<ol style="list-style-type: none"><li>1. Nocentini, Giuseppe et al. European journal of immunology vol. 37,5 (2007): 1165-9.</li><li>2. Shevach, Ethan M, and Geoffrey L Stephens. Nature reviews. Immunology vol. 6,8 (2006): 613-8.</li><li>3. Laca, Pedro Miguel et al. The Journal of pharmacology and experimental therapeutics vol. 347,1 (2013): 164-72.</li></ol>		
Synonyms	Activation-inducible TNF-related ligand, AITRL, GITRL, Glucocorticoid-induced TNF-related ligand, hGITRL		

## Selected Validation Data

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For technical support and original validation data for this product please contact

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