

## 32-1807: mTNFSF14 Recombinant Protein

**Alternative Name :** Tumor necrosis factor ligand superfamily member 14,CD258,Tnfsf14,Light.

### Description

Source : Escherichia Coli. TNFSF14 Mouse Recombinant produced in E. Coli is a single, non-glycosylated, polypeptide chain containing 168 amino acids and having a molecular mass of 18.4kDa. TNFRSF14, a member of the TNF receptor superfamily, is a type I transmembrane protein. TNFRSF14 is expressed in peripheral blood T cells, B cells, monocytes and in various tissues enriched in lymphoid cells. TNFRSF14 operates as a co-stimulatory factor for the activation of lymphoid cells and as a deterrent to infection by herpesvirus. Additionally, TNFRSF14 encourages the proliferation of T cells, and triggers apoptosis of various tumor cells.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	"Greater than 96.0% as determined by: (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE."
<b>Content :</b>	TNFSF14 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS pH7.4.
<b>Storage condition :</b>	Lyophilized TNFSF14 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TNFSF14 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	DGGKGSWEKL IQDQRSHQAN PAAHLTGANA SLIGIGGPLL WETRLGLAFL RGLTYHDGAL VTMEPGYYYYV YSKVQLSGVG CPQGLANGLP ITHGLYKRTS RYPKELELLV SRRSPCGRAN SSRVWWDSSF LGGVVHLEAG EEVVVRVPGN RLVPRPDGTR SYFGAFMV.

### Application Note

It is recommended to reconstitute the lyophilized TNFSF14 in sterile 100mM HAc not less than 100Åµg/ml, which can then be further diluted to other aqueous solutions. The ED50 as determined by a cytotoxicity assay using human HT-29 cells is less than 2Åµg/ml, corresponding to a specific activity of > 500 IU/mg in the presence of murine anti-polyHistidine monoclonal antibody and rHuIFN-g.

