

## 32-1806: TNFRSF14 Recombinant Protein

**Alternative Name :** Tumor Necrosis Factor Receptor Superfamily Member 14, HVEM, TR2, Herpes Virus Entry Mediator A, Tumor Necrosis Factor Receptor-Like 2, Herpesvirus Entry Mediator, HVEA, ATAR, CD270, LIGHTR, CD40-Like Protein, Tumor Necrosis Factor Receptor-Like Gene2

### Description

Source : Pichia Pastoris. TNFRSF14 Human Recombinant produced in Pichia Pastoris is a single, glycosylated, polypeptide chain containing 396 amino acids and having a molecular mass of 58.0kDa. However, TNFRSF14 migrates with an apparent molecular mass of 70 kDa in SDS-PAGE under reducing conditions. 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

**Amount :** 100 µg  
**Purification :** Greater than 95.0% as determined by: (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.  
**Content :** TNFRSF14 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4, with 3 % Trehalose.  
**Storage condition :** Lyophilized TNFRSF14 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TNFRSF14 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.  
**Amino Acid :** LPSCKEDEYP VGSECCPKCS PGYRVEACG ELTGTVCEPC PPGTYIAHLN GLSKCLQCQM CDPAMGLRAS RNCSTRNAV CGCSPGHFCI VQDGDHCAAC RAYATSSPGQ RVQKGGTESQ DTLCQNCPPG TFSPNGTLEE CQHQTCKSWL VTKAGAGTSS SHWVEPKSSD KTHTCP CPA PEFEGAPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNKALPTP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNQPENNY KTTPLVLDSD GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGK

### Application Note

It is recommended to reconstitute the lyophilized TNFRSF14 in sterile 18MΩ·cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. Fully biologically active when compared to standard. The biologically active as determined by its ability to inhibit TNF-beta-mediated cytotoxicity using murine L929 cells.

