

LIGHT Mouse Recombinant

Item Number	rAP-0789
Synonyms	Tumor necrosis factor ligand superfamily member 14, CD258, Tnfsf14, Light.
Description	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.
Uniprot Accesion Number	Q9QYH9
Amino Acid Sequence	DGGKGSWEKL IQDQRSHQAN PAAHTGANA SLIGIGGPLL WETRLGLAFL RGLTYHDGAL VTMEPGYYYY YSKVQLSGVG CPQGLANGLP ITHGLYKRTS RYPKELELLV SRRSPCGRAN SSRVVWDSSF LGGVVHLEAG EEVVVRVPGN RLVRPRDGTR SYFGAFMV.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	TNFSF14 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS pH7.4. Greater than 96.0% as determined by: (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized TNFSF14 in sterile 100mM HAc not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by a cytotoxicity assay using human HT-29 cells is less than 2µg/ml, corresponding to a specific activity of > 500 IU/mg in the presence of murine anti-polyHistidine monoclonal antibody and rHuIFN-g.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**