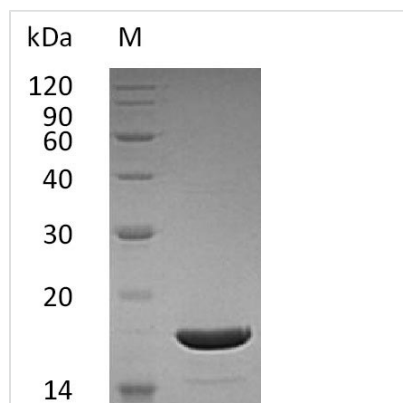




Recombinant Human Tumor necrosis factor ligand superfamily member 10 (TNFSF10), partial (Active)

Product Code	CSB-AP004901HU
Abbreviation	Recombinant Human TNFSF10 protein, partial (Active)
Uniprot No.	P50591
Storage Buffer	0.2 μ m filtered 40mM Tris-HCl, 300mM NaCl, 5%Trehalose, 5%Mannitol, 0.01%Tween80, 10%Glycerol, pH7.0.
Product Type	Tumor Necrosis Factors
Immunogen Species	Homo sapiens (Human)
Biological Activity	The ED50 as determined in a cytotoxicity assay using L929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D is 1-10 ng/ml.
Purity	Greater than 95% as determined by SDS-PAGE.
Sequence	RERGPQRVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGHSFLSN LHLRNGELVIHEKGFYYIYSQTYFRFQEEIKENTKNDKQMVQYIYKYTSYPDPIL LMKSARNSCWSKDAEYGLYSIQGGIFELKENDRIFVSVTNEHLIDMDHEASFF GAFLVG
Research Area	Cancer
Source	E.coli
Target Names	TNFSF10
Expression Region	115-281aa
Tag Info	Tag-Free
Mol. Weight	19.5 kDa
Protein Length	Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description



Our Recombinant Human TNFSF10 (Tumor necrosis factor ligand superfamily member 10) is a high-quality protein designed for cancer research. TNFSF10, also known as Apo-2 ligand, Apo-2L, or TRAIL, is a key player in apoptosis induction and has shown promise as a potential therapeutic target in cancer treatment.

This tag-free recombinant protein is produced using an E. coli expression system, ensuring its purity of over 95% as determined by SDS-PAGE analysis. It covers a partial protein length spanning amino acids 115 to 281, providing a reliable tool for your cancer-related studies.

The activity of our TNFSF10 has been carefully evaluated. In a cytotoxicity assay using L-929 mouse fibroblast cells and the metabolic inhibitor actinomycin D, the effective dose (ED50) was found to be less than 50 ng/ml. Additionally, the product has been rigorously tested to have an endotoxin level of less than 1.0 EU/μg, ensuring its suitability for sensitive applications. It is supplied as a convenient lyophilized powder, ensuring stability and ease of use in your research experiments and applications.

Endotoxin

Less than 1.0 EU/μg as determined by LAL method.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.