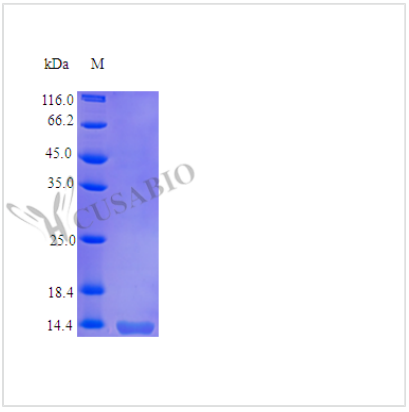
Recombinant Human Tumor necrosis factor receptor superfamily member 10B (TNFRSF10B),Partial (Active)

Product Code	CSB-AP002291HU
Abbreviation	Recombinant Human TNFRSF10B protein, partial (Active)
Uniprot No.	O14763
Storage Buffer	0.2um filtered PBS, pH 7.4 ,lyophilized
Product Type	Tumor Necrosis Factor
Immunogen Species	Homo sapiens (Human)
Biological Activity	Fully biologically active when compared to standard. rHusTRAIL-R2 reduced the production of LPS- induced TNF by its ability to neutralize endogenous TRAIL in fresh human PBMC. In this assay, endogenous TRAIL is induced during a 24 hour exposure to LPS (10 ng/mL) but in the presence of rHusTRAIL-R2, TRAIL-induced TNF is suppressed.
Purity	>97% as determined by SDS-PAGE.
Sequence	ESALITQQDL APQQRAAPQQ KRSSPSEGLC PPGHHISEDG RDCISCKYGQ DYSTHWNDLL FCLRCTRCDS GEVELSPCTT TRNTVCQCEE GTFREEDSPE MCRKCRTGCP RGMVKVGDCT PWSDIECVHK ES
Research Area	Cancer
Source	E.Coli
Target Names	TNFRSF10B
Expression Region	52-183aa
Tag Info	Tag-Free
Mol. Weight	14.8 kDa
Protein Length	Partial
PubMed ID	9285725; 9311998; 9373179; 9430227; 9325248; 9326928; 9242610; 9242611; 10072170; 12975309; 17974005; 16421571; 15489334; 14759258; 15322075; 23498957; 10549288; 10542098; 23555243
Image	



Description

Unlock the potential of our Recombinant Human TNFRSF10B protein in cancer research and explore its role as a tumor necrosis factor receptor superfamily member 10B. Also known as death receptor 5 (DR5), TRAIL receptor 2 (TRAIL-R2), or CD262, TNFRSF10B plays a crucial role in apoptotic signaling pathways and is involved in the regulation of cell death in various cancer types. By studying TNFRSF10B, you can gain valuable insights into tumor biology and potentially develop novel therapeutic approaches.

Our Tag-Free recombinant protein is produced using the precise E. coli expression system, ensuring high purity (>97% as determined by SDS-PAGE and HPLC) and minimal endotoxin contamination (<1.0 EU/μg). The protein covers amino acids 52 to 183, representing a partial length of the TNFRSF10B sequence. This preserves its native structure, allowing for reliable and consistent results in your experiments.

Experience the full biological activity of TNFRSF10B with our recombinant protein, as it demonstrates its functionality by reducing the production of TNF induced by lipopolysaccharide (LPS) in fresh human peripheral blood mononuclear cells (PBMC). This activity indicates its ability to neutralize endogenous TRAIL. The lyophilized powder form ensures excellent stability and easy reconstitution for use in various experimental applications. Uncover the intricate mechanisms underlying cancer progression and apoptotic signaling with our high-quality TNFRSF10B protein.

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.