

Recombinant Human sTRAILR2/TNFRSF10B Protein

Product Information

Product Name	Cat#	Size
Recombinant Human sTRAILR2/TNFRSF10B Protein	90611ES10	10µg
	90611ES60	100µg
	90611ES76	500µg

Product Description

TRAIL Receptor-1/DR4 and TRAIL Receptor-2/DR5 belong to the TNFR superfamily of transmembrane proteins, and contain a cytoplasmic "death domain," which can activate the cell's apoptotic machinery. These receptors are activated by binding to either membrane-anchored or soluble TRAIL/Apo2L. The DR4 and DR5 receptors are both produced as type I transmembrane proteins, which contain an extracellular domain, a transmembrane domain, and a cytoplasmic domain. The recombinant soluble forms of DR4 and DR5 consist of the TNFR-homologous, cysteine-rich portion of their respective extracellular domains. Recombinant Human soluble TRAIL Receptor-2/DR5 is a 14.9 kDa protein (133 amino acid residues) consisting of the TNFR-homologous, cysteine-rich portion of the extracellular domain.

Product Properties

Synonyms	soluble TRAIL Receptor-2, DR5, TNFRSF10B, KILER, TRICK2A, TRICKB
Accession	O14763
GeneID	8795
Source	E.coli-derived Human soluble TRAIL Receptor-2 protein,Glu52-Ser183.
Molecular Weight	Approximately 14.8 kDa
AA Sequence	ESALITQQDL APQQAAPQQ KRSSPSEGLC PPGHHISEDG RDCISCKYGQ DYSTHWNDLL FCLRCTRCDL GEVELSPCTT TRNTVCQCEE GTFREEDSPE MCRKCRGTGCP RGMVKVGDCT PWSDIECVHK ES
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 97 % by SDS-PAGE and HPLC analyses.
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.
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C for 1 year.

1 month, 2 to 8 °C under sterile conditions after reconstitution.

3 months, -20 °C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.