

Recombinant Human soluble Fas Receptor/TNFRSF6 (Human sFasR/TNFRSF6)

Product Information

Product Name	Cat#	Size
	90613ES08	5µg
Recombinant Human soluble Fas Receptor/TNFRSF6 (Human sFasR/TNFRSF6)	90613ES60	100µg
	90613ES76	500µg

Product Description

Fas and Fas Ligand (FasL) belong to the TNF superfamily, and are type I and type II transmembrane proteins, respectively. Binding of FasL to Fas triggers apoptosis in Fas-bearing cells. The mechanism of apoptosis involves recruitment of pro-caspase 8 through an adaptor molecule called FADD, followed by processing of the pro-enzyme into active forms. These active caspases then cleave various cellular substrates, leading to the eventual cell death. sFasR is capable of inhibiting FasL-induced apoptosis by acting as a decoy receptor that serves as a sink for FasL. The full length Fas (receptor) is a 319 amino acid type I transmembrane protein, which contains a 157 amino acid extracellular domain, a 17 amino acid transmembrane domain, and a 145 amino acid cytoplasmic domain. Recombinant Human soluble Fas (sFas Receptor) is a 157 amino acid polypeptide (17.6 kDa) corresponding to the TNFR-homologous cysteine-rich extracellular Fas domain.

Product Properties

Synonyms	TNFRSF6, CD95, Apo I, Fas Antigen
Accession	P25445
GeneID	355
Source	E.coli-derived Human sFasR/TNFRSF6 protein, Arg17-Asn173.
Molecular Weight	Approximately 17.6 kDa
AA Sequence	RLSSKSVNAQ VTDINSKGLE LRKTVTTVET QNLEGLHHDG QFCHKPCPPG ERKARDCTVN GDEPDCVPCQ EGKEYTDKAH FSSKRRRCRL CDEGHGLEVE INCTRTQNTK CRCKPNFFCN STVCEHCDPC TKCEHGIKE CTLTSNTKCK EEGSRSN
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 95 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by its ability to inhibit the cytotoxicity of Jurkat cells is between 10-15 µg/mL in the presence of 2 ng/mL of rHuFas Ligand.
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl. 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 to -80°C for 1 year.

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.