

Recombinant Human soluble Fas Receptor/TNFRSF6

#R00097

Size: 5 µg/100 µg/500 µg

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 3 months, -20 to -70 °C under sterile conditions after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

Background

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 to 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.

AA Sequence

RLSSKSVNAQVTDINSKGLELRKTVTTVETQNLEGLH
HDGQFCHKPCPPGERKARDCTVNGDEPDCVPCQE
GKEYTDKAHFSSKCRRCRLCDEGHGLEVEINCTRTQ
NTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIKECTLT
SNTKCKEEGSRSN

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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.

Product Specification

Synonyms	TNFRSF6, CD95, Apo I, Fas Antigen
Accession	P25445
GeneID	355
Species	Human
Source	Escherichia coli.
Molecular Weight	Approximately 17.6 kDa, a single non-glycosylated polypeptide chain containing 157 amino acids.
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.
Physical	Sterile Filtered White lyophilized
Appearance	(freeze-dried) powder.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin	Less than 1 EU/µg of rHusFasR/TNFRSF6 as determined by LAL method.