

Product: Soluble TNF Receptor Inhibitor, Human, Recombinant
Catalog #: 11-sTNF-RIH
Amount: 20 µg

DESCRIPTION: Recombinant soluble Tumor Necrosis Factor Receptor Inhibitor (rHusTNFRI)
rHusTNFRI is a disulfide linked homodimer, glycosylated, polypeptide chain having a molecular mass of 48Kda but as a result of the glycosilation, the recombinant protein migrates at 55-60Kda protein in SDS-PAGE.
rHusTNFRI /Fc chimera (sTNF RI/Fc chimera) was fused to carboxy-terminal 6X histidine-tagged Fc part of human IgG1, via a linker peptide.
The sequence of the first five N-terminal amino acids was determined and was found to be Met-Glu-Glu-Val-Ser.

SOURCE: *Mouse Myeloma Cell Line (NSO)*

PURITY: Greater than 95.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rHusTNFRI

DIMERS & AGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis

FORM: Purified

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm
2. Analysis by RP-HPLC, using a calibrated solution of rHusTNFRI as a Reference Standard.

STORAGE: -20°C (aliquot), avoid repeated freeze and thaw cycles.

BIOLOGICAL ACTIVITY: rHusTNFRI is fully biologically active when compared to standards
The activity was measured by its ability to neutralize apoptosis of mouse L929 cells treated with 0.25 ng/mL rhTNF-a. The ED50 for this effect is typically 0.4-1 ng/mL.

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