



Recombinant Protein Technical Manual

Recombinant Human Fas/CD95/TNFRSF6 Protein (His Tag) RPES4290

Product Data:

Product SKU: RPES4290

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: NP_000034.1

Protein Information:

Molecular Mass: 17.6 kDa

AP Molecular Mass: 35 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Tumor necrosis factor receptor superfamily member 6; Apo antigen; Apoptosis-mediating surface antigen FAS; FASLG receptor; APT1; FAS1; TNFRSF6 and FAS;ALPS1A;APO;APT1;CD95;FASTM

Immunogen Information:

Sequence: Gln26-Asn173

Background:

FAS is a receptor and contains three TNFR-Cys repeats and one death domain. It has been shown that FAS is involved in the physiological regulation of programmed cell death, and has been implicated in the pathogenesis of various malignancies and diseases of the immune system. FADD (adapter molecule) recruits caspase-8 to the activated receptor, the resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases mediating apoptosis. FAS-mediated apoptosis may play a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both.