

## 32-8475: Recombinant Mouse TRAIL R2/TNFRSF10B/DR5/CD262 (C-Fc)

**Gene :** Tnfrsf10b

**Gene ID :** 21933

**Uniprot ID :** Q9QZM4

### Description

Source: Human Cells.

MW :40.9kD.

Recombinant Mouse TRAIL receptor 2 is produced by our Mammalian expression system and the target gene encoding Asn53-Ser177 is expressed with a Fc tag at the C-terminus. Mouse tumor necrosis factor receptor superfamily member 10B (TNFRSF10B) is a member of the TNFR family which contains 1 death domain and 3 TNFR-Cys repeats. TNFRSF10B exhibits high structural and functional homology to TRAIL-R1 (DR-4). TNFRSF10B is highly expressed in heart, lung, lymphocytes, spleen and kidney. In addition, it is regulated by the tumor suppressor p53. TNFRSF10B is the receptor for the cytotoxic ligand TNFSF10/TRAIL. It promotes the activation of NF-kappa-B and is essential for ER stress-induced apoptosis. The adapter molecule FADD 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.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** NPAHNRPAGLQRPEESPSRGPCLAGQYLSEGNCKPCREGIDYTSNSHSLDSCILCTVCKEDKVVETRCNITN TVCRCKPGTFEDKDSPEICQSCSNCTDGEEELTCTPRENRKCVSKTAWASVDDIEGRMDEPKSCDKTHTCPP CPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRV VSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDI AVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYTQKLSLSLSPGK

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.