

32-7963: Recombinant Human TRAIL R2/TNFRSF10B/DR5/CD262 (C-Fc-6His)(Discontinued)

Gene : TNFRSF10B

Gene ID : 8795

Uniprot ID : O14763

Description

Source: Human Cells.

MW :42.2kD.

Recombinant Human TRAIL receptor 2 is produced by our Mammalian expression system and the target gene encoding Ile56-Glu182 is expressed with a Fc, 6His tag at the C-terminus. TNFRSF10B is a member of the TNF-receptor superfamily, and contains an intracellular death domain. This receptor can be activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL/APO-2L), and transduces apoptosis signal. The adapter molecule FADD recruits caspase-8 to the activated receptor and is required for the apoptosis mediated by TNFRSF10B. TNFRSF10B is expressed in a number of cell types, and to particularly high levels in lymphocytes and spleen. This single-pass transmembrane protein contains two cysteine-rich repeat units in its extracellular region, followed by a transmembrane segment and a cytoplasmic tail containing a typical "death domain". TNFRSF10B expression is regulated by the tumor suppressor p53. It is also indicated that the activation of NF-kappa-B can be promoted by TNFRSF10B.

Product Info

Amount : 6His) / 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 : ITQQDLAPQQRAAPQQKRSSPSEGLCPPGHHISEDGRDCISCKYGDYSTHWNDLLFCLRCTRCDSDGEVELSP
CTTTRNTVCQCEEGTFREEDSPEMCRKCRGCPGVMKVGDCPTWSDIECVHKEVDIEGRMDEPKSCDKTH
TCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNS
TYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFY
PSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPG
KHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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

Biological Activity : The ED₅₀ for this effect is typically 23 ng/mL.