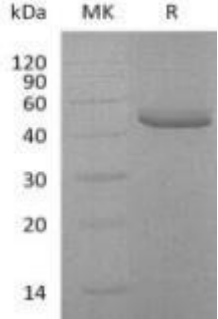


Recombinant Human TRAIL R2

Catalog#:P00531 Derived from Human Cells

DESCRIPTION	<p>Recombinant Human TNF- Related Apoptosis- Inducing Ligand 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.</p> <p>Accession#: O14763</p> <p>Known as: Tumor Necrosis Factor Receptor Superfamily Member 10B; Death Receptor 5; TNF- Related Apoptosis- Inducing Ligand Receptor 2; TRAIL Receptor 2; TRAIL- R2; CD262; TNFRSF10B; DR5; KILLER; TRAILR2; TRICK2; ZTNFR9</p>
FORMULATION	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
SHIPPING	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
STORAGE	<p>Lyophilized protein should be stored at <-20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
RECONSTITUTION	<p><i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
QUALITY CONTROL	<p>Mol Mass:42.2kDa AP Mol Mass:49kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test.</p>
BACKGROUND	<p>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.</p>
<p style="text-align: center;">SDS-PAGE</p>  <p>The image shows an SDS-PAGE gel with two lanes. Lane MK contains a molecular weight marker with bands at 120, 90, 60, 40, 30, 20, and 14 kDa. Lane R shows a single prominent band at approximately 42.2 kDa, corresponding to the expected molecular mass of the recombinant protein.</p>	