

## Recombinant Human TRAIL R2/TNFRSF10B Protein (Fc & His Tag)

**Catalog No.** PKSH033127

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

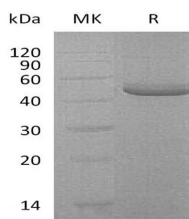
### Description

<b>Synonyms</b>	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
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Ile56-Glu182
<b>Accession</b>	O14763
<b>Calculated Molecular Weight</b>	42.2 kDa
<b>Observed molecular weight</b>	49 kDa
<b>Tag</b>	C-Fc-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, 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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

#### For Research Use Only

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.