

## TNFRSF12A

### Recombinant Human TWEAK Receptor

<b>Catalog No.</b>	CRT601A CRT601B CRT601C	<b>Quantity:</b>	5 µg 100 µg 1.0 mg
<b>Alternate Names:</b>	CD266, FN14, TWEAKR		
<b>Description:</b>	Human TNF-related weak inducer of apoptosis receptor (TWEAKR) also known as Tumor necrosis factor receptor superfamily member 12A precursor (gene name TNFRSF12A) or fibroblast growth factor-inducible 14 kD protein, is distantly related to the TNFR family, containing one cysteine-rich domain in the extracellular region and a TNFR-associated factor binding domain but does not contain a death domain (DD) cytoplasmic region. It is expressed in the spleen, thymus, peripheral blood lymphocytes, colon, and small intestine. Signal transduction by TWEAKR can be activated by either the membrane anchored or the soluble TWEAK. In addition, It plays a role in TWEAK-induced endothelial cell migration, proliferation, and angiogenesis.		
<b>Gene ID:</b>	51330		
<b>UniProt ID:</b>	Q9NP84		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	5.6 kDa (53 aa)		
<b>Formulation:</b>	Lyophilized from a sterile-filtered PBS, pH 7.4.		
<b>Purity:</b>	>95% by HPLC and SDS-PAGE analyses		
<b>Endotoxin Level:</b>	<1 EU/µg by LAL analysis		
<b>Biological Activity:</b>	ED <sub>50</sub> < 30 ng/ml, determined by inhibiting TWEAK-dependent proliferation of human umbilical vein endothelial cells (HUVEC) HUVEC cells in the presence of 15 ng/ml rhTWEAK		
<b>Specific Activity:</b>	> 3.3 × 10 <sup>4</sup> IU/mg		
<b>Amino Acid Sequence:</b>	EQAPGTAPCS RGSSWSADLD KCMDCASCRA RPHSDFCLGC AAAPPAPFRL LWP		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile water or aqueous buffer containing 0.1% BSA to the vial to a concentration 0.1-1.0 mg/mL to fully solubilize the protein.		
<b>Storage &amp; Stability:</b>	Store as supplied at -20°C to -80°C for up to one year. Upon reconstitution under sterile conditions, store at 2-8°C for one month, or in aliquots at -20°C to -80°C for up to 3 months. <b>Avoid repeated freeze-thaw cycles.</b>		

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