



## Recombinant Human TWEAK receptor, soluble

20150227BB



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>S01-037S</b>
Size:	5 µg
Lot. No.:	According to product label

### Sequence

EQAPGTAPCS RGSSWSADLD KCMDCASCRA RPHSDFCLGC  
AAAPPAPFRL LWP

### Database References

<b>Protein RefSeq:</b>	NP_057723.1
<b>Uniprot ID:</b>	Q9NP84
<b>mRNA RefSeq:</b>	NM_016639.2

## Scientific Background

<b>Gene-ID (NCBI):</b>	51330
<b>Synonyms:</b>	TNFRSF12A; FN14; CD266; TWEAKR

TWEAK-R belongs to the TNF family of transmembrane proteins and contains a cytoplasmic „death domain“, which can activate the cell's apoptotic machinery. It is expressed in the spleen, thymus, peripheral blood lymphocytes, colon, and small intestine. Signal transduction by TWEAK-R can be activated by either the membrane anchored or the soluble TWEAK. Recombinant soluble TWEAK-R is a 53 amino acid polypeptide (5.6 kDa) comprising the entire extracellular domain of the full length TWEAK-R protein.

## Product Specifications

<b>Expressed in</b>	E. coli
<b>Purity</b>	> 98% by SDS-PAGE & HPLC analyses
<b>Endotoxin level</b>	< 0.1 ng /µg of protein (<1EU/µg).
<b>Formulation</b>	lyophilized
<b>Length (aa):</b>	53
<b>MW:</b>	5.6 kDa

**Biological Activity:** Determined by its ability to inhibit TWEAK-induced weak cell death of HT29 cells. The expected ED50 for this effect is 1.0-3.0 µg/ml.



**AVOID REPEATED FREEZE AND THAW CYCLES!**