

Recombinant Human TNF-related Weak Inducer of Apoptosis Receptor/TNFRSF12A (Human TWEAK Receptor/TNFRSF12A)

Product Information

Product Name	Cat#	Size
Recombinant Human TNF-related Weak Inducer of Apoptosis Receptor/TNFRSF12A (Human TWEAK Receptor/TNFRSF12A)	90608ES08	5µg
	90608ES60	100µg
	90608ES76	500µg

Product Description

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

Product Properties

Synonyms	TNFRSF12A, FGF-inducible 14, CD266
Accession	Q9NP84
GeneID	51330
Source	E.coli-derived Human TWEAK Receptor/TNFRSF12A protein, Glu28-Pro80.
Molecular Weight	Approximately 5.6 kDa
AA Sequence	EQAPGTAPCS RGSSWSADLD KCMDCASCRA RPHSDFCLGC AAAPPAPFRL LWP
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 95% by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by inhibiting TWEAK-dependent proliferation of human umbilical vein endothelial cells (HUVEC) is less than 30 ng/ml, corresponding to a specific activity of > 3.3 × 10 ⁴ IU/mg, in the presence of 15 ng/mL of rHuTWEAK.
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.