

TWEAK/TNFSF12, Mouse, Recombinant

Cat. No. : PCK331

General Information

Synonyms	TNFSF12;DR3LG;Apo3 Ligand;AI255180;C87282;Fn1;Fn14;HPIP;TWEAK-R;Twea;TweakR;Tnfrsf12a
Species	Mouse
Expression host	E.coli
Sequence	MSAPKGRKARPRRAIAAHYEVHPRPGQDGAQAGVDGTVSGWEETKINSSSPLRYDRQIGEFTVIRAGLYYLYCQVHFDEGKAVYLKDLLVNGVLALRCLEEFSAATAASSPGPQLRLCQVSGLLPLRP GSSLRIRTLPPWAHLKAAPFLTYFGLFQVH with polyhistidine tag at the C-terminus.
Accession	Q9CR75.1
Tag	His-tag at the C-terminus
Mol mass	18.14 kDa
Expiration date	12 months
Bio activity	Measure by its ability to induce proliferation in HUVEC cells. The ED50 for this effect is < 0.2 µg/mL.

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/µg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 µm filtered solution containing 1 × PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

TWEAK belongs to the TNF family of ligands, and also known as TNFRSF12A through TWEAK receptor signaling. TWEAK widely expresses in a variety of tissues, including the adult heart, pancreas, skeletal muscle, small intestine, spleen and peripheral blood lymphocytes. TWEAK has the ability to trigger activation and chemokine secretion of NF-κB, and to apply an apoptotic activity in certain cells, such as HT-29 human cultured adenocarcinoma cells feeding with IFN-γ. TWEAK also promotes proliferation and migration of endothelial cells.

SDS-PAGE

