TWEAK Receptor Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: TNF-related weak inducer of apoptosis receptor, TNFRSF12A, FGF-inducible 14

Cat. No.:

RBG10336005	(5 µg)
RBG10336025	(25 µg)
RBG10336100	(100 µg)

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.

Research topic

Others

Amino Acid Sequence

EQAPGTAPCS RGSSWSADLD KCMDCASCRA RPHSDFCLGC AAAPPAPFRL LWP

Source

E. coli

Purity

98%

Biological Activity

Determined by its ability to inhibit TWEAK-induced weak cell death of HT29 cells. The expected ED_{50} for this effect is 1.0-3.0 µg/ml.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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