



# Recombinant Protein Technical Manual

## Recombinant Human TRIM5/RNF88 Protein (His Tag)

RPE1409

### Product Data:

**Product SKU:** RPE1409

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** Q9C035

### Protein Information:

**Molecular Mass:** 30.8 kDa

**AP Molecular Mass:** 33 kDa

**Tag:** N-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Tripartite motif-containing protein 5; RING finger protein 88; TRIM5; RNF88

## Immunogen Information:

**Sequence:** Met 1-Gln248

## Background:

Tripartite motif-containing Motif 5 is a protein that in humans is encoded by the TRIM5 gene. It is a 493 amino acids protein that belongs to the TRIM/RBCC family. It contains 1 B box-type zinc finger, 1 B30.2/SPRY domain and 1 RING-type zinc finger. TRIM5 present in the cytoplasm recognizes motifs within the capsid proteins and interferes with the uncoating process, therefore preventing successful reverse transcription and transport to the nucleus of the viral genome. The exact mechanism of action has not been shown conclusively, but capsid protein from restricted viruses is removed by proteasome-dependent degradation