



Recombinant Protein Technical Manual

Recombinant Human Protachykinin/TAC1 Protein (His Tag) RPES3005

Product Data:

Product SKU: RPES3005

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P20366

Protein Information:

Molecular Mass: 15.2 kDa

AP Molecular Mass: 18 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 Tris, 150mM NaCl, pH 8.0 (10% glycerol 2M Urea).

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

Application:

Synonyms: Protachykinin; PPT; TAC1

Immunogen Information:

Sequence: Glu20-Arg129

Background:

Protachykinin(TAC1) is a secreted protein and belongs to the tachykinin family. TAC1 is encoded by the TAC1 gene. This gene encodes four products of the tachykinin peptide hormone family, substance P and neurokinin A, as well as the related peptides, neuropeptide K and neuropeptide gamma. These hormones are thought to function as neurotransmitters which interact with nerve receptors and smooth muscle cells. They are known to induce behavioral responses and function as vasodilators and secretagogues.