

Recombinant Human Protachykinin-1/TAC1 Protein (His Tag)

Catalog No. PKSH032951

Note: Centrifuge before opening to ensure complete recovery of vial contents.

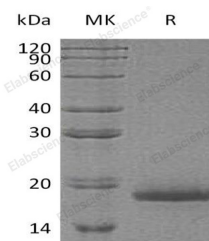
Description

Synonyms	Protachykinin-1;PPT;TAC1
Species	Human
Expression Host	E.coli
Sequence	Glu20-Arg129
Accession	P20366
Calculated Molecular Weight	15.2 kDa
Observed molecular weight	14-18 kDa
Tag	N-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein 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-HCl, 150mM NaCl, 10% Glycerol, 2M Urea, 1mM EDTA, pH 8.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Protachykinin-1(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.

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