



Recombinant Protein Technical Manual  
Recombinant Human FAM19A4 Protein (His Tag)  
RPES3167

#### Product Data:

**Product SKU:** RPES3167

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** Q96LR4

#### Protein Information:

**Molecular Mass:** 14.1 kDa

**AP Molecular Mass:** 16 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:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl, pH7.4.

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

**Application:**

**Synonyms:** Protein FAM19A4; Chemokine-like protein TAFA-4; TAFA4; family with sequence similarity 19 (chemokine (C-C motif)-like); member A4; FAM19A4; chemokine-like protein TAFA-4

## Immunogen Information:

**Sequence:** Ser35-Arg140

## Background:

FAM19A4 is a secreted, 12 kDa member of the FAM19/TAFA family of chemokine-like proteins. Like other members of the FAM19/TAFA family, with the exception of TAFA5, mature FAM19A4 contains 10 regularly spaced cysteine residues. The FAM19A4 proteins are predominantly expressed in specific regions of the brain and the biological functions of FAM19A4 family members remain to be determined, but there are a few tentative hypotheses. First, FAM19A4 may modulate immune responses in the CNS by functioning as brain specific chemokines, and may act with other chemokines to optimize the recruitment and activity of immune cells in the CNS. Second, FAM19A4 may represent a novel class of neurokines that act as regulators of immune nervous cells. And third, FAM19A4 may control axonal sprouting following brain injury.