Datasheet for ABIN1945371

FAM19A4 Protein (AA 35-140) (His tag)

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Overview

Quantity:	50 µg
Target:	FAM19A4
Protein Characteristics:	AA 35-140
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FAM19A4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Protein FAM19A4/FAM19A4 (N-6His)
Sequence:	MGSSHHHHHH SSGLVPRGSH MSSQHLRGHA GHHQIKQGTC EVVAVHRCCN KNRIEERSQT VKCSCFPGQV AGTTRAQPSC VEASIVIQKW WCHMNPCLEG EDCKVLPDYS GWSCSSGNKV KTTKVTR
Characteristics:	Recombinant Human Protein FAM19A4/FAM19A4 is produced with our E. coli expression system. The target protein is expressed with sequence (AA 35-140) of human TAFA4 fused with a His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	FAM19A4
Alternative Name:	Protein FAM19A4/FAM19A4 (FAM19A4 Products)
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.
Molecular Weight:	14.1 kDa
UniProt:	Q96LR4

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.