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TAFA4 Protein, Human (His)

Cat. No.:	HY-P71350
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
Species:	Human
Source:	E. coli
Accession:	Q96LR4 (S35-R140)
Gene ID:	151647
Molecular Weight:	Approximately 16.0 kDa

PROPERTIES

AA Sequence	SSQHLRGHAG HHQIKQGTCE VVAVHRCCNK NRIEERSQTV KCSCFPGQVA GTTRAQPSCV EASIVIQKWW CHMNPCLEGE DCKVLPDYSG WSCSSGNKVK TTKVTR
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH$_2$O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	TAFA4 protein serves as a modulator of injury-induced and chemical pain hypersensitivity, potentially influencing pain responses. Acting as a ligand for FPR1, TAFA4 demonstrates the capacity to chemoattract macrophages, enhance phagocytosis, and elevate reactive oxygen species (ROS) release. This multifaceted role suggests its involvement in immune responses and cellular processes associated with inflammation and injury.