

FAM19A2

Recombinant Human TFAFA-2

Catalog No.	CS510A CS510B CS510C	Quantity:	5 µg 20 µg 1 mg
Alternate Names:	TFAFA2, family with sequence similarity 19 (chemokine (C-C motif)-like), member A2, chemokine-like protein TFAFA-2, protein FAM19A2		
Description:	<p>TFAFA-2 also named FAM19A2 belongs to the TFAFA family of chemokine-like proteins. Like other members of the FAM19/TFAFA family, with the exception of TFAFA5, mature TFAFA1 to 4 contain 10 regularly spaced cysteine residues. Human TFAFA2 is 97% aa identical to mouse TFAFA2. TFAFA2 expression can be detected in the central nervous system (CNS), colon, heart, lung, spleen, kidney, and thymus, but its expression in the CNS is 50- to 1000- fold higher than in other tissues. Within the CNS, TFAFA2 expression is highest in the occipital and frontal cortex (3- to 10-fold more abundantly expressed than in other cortical regions) and medulla. The biological functions of TFAFA family members remain to be determined, but there are a few tentative hypotheses.</p> <p>Recombinant Human TFAFA-2 is a single, non-glycosylated polypeptide chain containing 101 amino acids.</p>		
Gene ID:	338811		
Source:	<i>E. coli</i>		
Molecular Weight:	11.2 kDa		
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in 2 × PBS, pH 7.4.		
Purity:	>95% by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	<1 EU/µg as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard. The biologically active is determined by its ability to enhance neurite outgrowth of E16-E18 rat embryonic cortical neurons. rHuTFAFA-2, immobilized at 624 µg/mL on a 96 well plate, is able to significantly enhance neurite outgrowth.		
Amino Acid Sequence:	ANHHKAHHVK TGTCEVVALH RCCNKNKIEE RSQTVKCSCF PGQVAGTTRA APSCVDASIV EQKWWCHMQP CLEGEECKVL PDRKGWSCSS GNKVKTTTRVT H		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. This depends upon the particular application employed. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	This lyophilized preparation is stable at 2-8°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. Avoid repeated freeze/thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

