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TAFA2 Human

Catalog #:CYPS-125

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Description:TAFA2 Human Recombinant produced in E.Coli is a non-glycosylated, Polypeptide chain containing 101 amino acids and having a molecular mass of 11.2kDa. The TAFA2 is purified by proprietary chromatographic techniques.

Synonyms: Family with sequence similarity 19 (chemokine (C-C motif)-like) member A2, Chemokine-like protein TAFA-2, protein FAM19A2.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence:ANHHKAHHVK TGTCEVVALH RCCNKNKIEE RSQTVKCSCF PGQVAGTTRA APSCVDASIV EQKWWCHMQP CLEGEECKVL PDRKGWSCSS GNKVKTTRVT H

Purity: Greater than 97.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Formulation:
The protein was lyophilized from a 0.2

Stability:
Lyophilized TAFA2 althoμgh stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution TAFA2 should be stored at 4C between 2-7 days and for future use below -18C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:
It is recommended to reconstitute the lyophilized TAFA2 in sterile 18M-cm H2O not less than 100

Introduction:
TAFA-2 is a 11 kDa secreted protein that belongs to the FAM19/TAFA family of chemokine-like proteins. Similar to other FAM19/TAFA family members, mature TAFA-1 contains 10 regularly spaced cysteine residues with the same pattern: CX7CCX13CXCX14CX11CX4CX5CX10C (C symbolizes a conserved cysteine residue and X symbolizes any noncysteine amino acid). Human TAFA-2 is 97% aa identical to mouse TAFA-2 and is expressed in the central nervous system (CNS), colon, heart, lung, spleen, kidney, and thymus, however its expression in the CNS is 50 to 1000 fold higher than in other tissues. The biological roles of TAFA family members have not yet been determined.

Biological Activity:
Fully biologically active when compared to standard. Measured by its ability to enhance neurite outgrowth of E16-E18 rat embryonic cortical neurons.

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