

Family with Sequence Similarity 19 Member A2 Human Recombinant

Item Number	rAP-0714
Synonyms	Family with sequence similarity 19 (chemokine (C-C motif)-like) member A2, Chemokine-like protein TAFA-2, protein FAM19A2.
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.
Uniprot Accesion Number	Q8N3H0
Amino Acid Sequence	ANHHKAHHVK TGTCEVVALH RCCNKNKIEE RSQTVKCSFC PGQVAGTTRA APSCVDASIV EQKWWCHMQP CLEGEECKVL PDRKGWSCSS GNKVKTTRVT H
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized TAFA2 although 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.
Formulation and Purity	The protein was lyophilized from a 0.2µm filtered concentrated solution in 1×PBS, pH7.4. Greater than 97.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized TAFA2 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Fully biologically active when compared to standard. Measured by its ability to enhance neurite outgrowth of E16-E18 rat embryonic cortical neurons.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**