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TAFA-2/FAM19A2

Catalog # PVGS1224

Product Information

Primary Accession	Q8N3H0
Species	Human
Sequence	Ala31-His131
Purity	> 95% as analyzed by SDS-PAGE > 95% as analyzed by HPLC
Endotoxin Level	
Biological Activity	Fully biologically active when compared to standard. The biological activity is determined by its ability to enhance neurite outgrowth of E16-E18 rat embryonic cortical neurons. rHuTAFA-2, immobilized at 6.0-24.0 □g/ml on a 96 well plate, is able to significantly enhance neurite outgrowth.
Expression System	E. coli
Theoretical Molecular Weight	11.2 kDa
Formulation	Lyophilized from a 0.2 □m filtered solution in 2 × PBS, pH 7.4.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

Additional Information

Gene ID	338811
Other Names	Chemokine-like protein TAFA-2, TAFA2 (HGNC:21589)
Target Background	TAFA-2 also named FAM19A2 belongs to the TAFA family of chemokinelike proteins. Like other members of the FAM19/TAFA family, with the exception of TAFA5, mature TAFA1 to 4 contain 10 regularly spaced cysteine residues. Human TAFA2 is 97% aa identical to mouse TAFA2. TAFA2 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 1000fold higher than in other tissues. Within the CNS, TAFA2 expression is highest in the occipital and frontal cortex (3 to 10fold more abundantly expressed than in other cortical regions) and medulla. The biological functions of TAFA family members remain to be determined, but there are a few tentative hypotheses.

Protein Information

Name	TAFA2 (HGNC:21589)
Function	Has a role as neurotrophic factor involved in neuronal survival and neurobiological functions.
Cellular Location	Cytoplasm. Nucleus {ECO:0000250|UniProtKB:Q7TPG7}
Tissue Location	Brain-specific..