

Recombinant Human FAM19A2 protein

Cat. No. FAM19A2-609H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FAM19A2 protein was expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	101
Description	TAF _A -2 also named FAM19A2, is a chemokine-like protein which is belonged to the FAM19/TAF _A family. The family is a newly discovered and distantly related to MIP-1 α . It contains 5 members and TAF _A proteins are highly expressed in specific brain regions. Like other members of the TAF _A family, with the exception of TAF _A 5, mature TAF _A 1 contains 10 regularly spaced cysteine residues. Human TAF _A 2 is 97 % a.a. identical to mouse TAF _A 2. The biological functions of TAF _A family members remain to be determined, but they are postulated to act as brain-specific chemokines or neurokinins that take parts in regulators of immune and nervous cells.
Form	Lyophilized from a 0.2 μ m filtered concentrated solution in 2 $\times$ PBS, pH 7.4.
Bio-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. rHuTAF _A -2, immobilized at 6-24 μ g/mL on a 96 well plate, is able to significantly enhance neurite outgrowth.
Molecular Mass	Approximately 11.2 kDa, a single, non-glycosylated polypeptide chain containing 101

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	amino acids.
AA Sequence	ANHHKAHHVKTGTCEVVALHRCCNKNKIEERSQTVKCSFCPGQVAGTTRAAPSCV DASIVEQKWWCHMQPCLEGEECKVLPDRKGWSCSSGNKVKTTRVTH
Endotoxin	Less than 1 EU/μg of rHuTFA-2 as determined by LAL method.
Purity	>95% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	FAM19A2
Official Symbol	FAM19A2
Synonyms	FAM19A2; family with sequence similarity 19 (chemokine (C-C motif)-like), member A2; protein FAM19A2; TFAA 2; chemokine-like protein TFAA-2; TFAA2; TFAA-2; MGC42403; DKFZp761E1217; DKFZp781P0552;
Gene ID	338811

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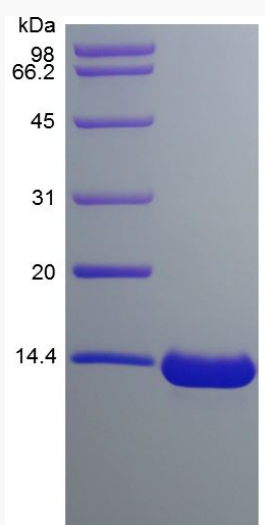
mRNA Refseq NM_178539

Protein Refseq NP_848634

MIM 617496

UniProt ID Q8N3H0

SDS-PAGE of
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