

## Recombinant Human FAM19A2 protein

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human FAM19A2 protein was expressed in Escherichia coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	101
<b>Description</b>	TAF2 also named FAM19A2, is a chemokine-like protein which is belonged to the FAM19/TAF2 family. The family is a newly discovered and distantly related to MIP-1 $\alpha$ . It contains 5 members and TAF2 proteins are highly expressed in specific brain regions. Like other members of the TAF2 family, with the exception of TAF25, mature TAF21 contains 10 regularly spaced cysteine residues. Human TAF22 is 97 % a.a. identical to mouse TAF22. The biological functions of TAF2 family members remain to be determined, but they are postulated to act as brain-specific chemokines or neurokines that take parts in regulators of immune and nervous cells.
<b>Form</b>	Lyophilized from a 0.2 $\mu$ m filtered concentrated solution in 2 x PBS, pH 7.4.
<b>Bio-activity</b>	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. rHuTAF2-2, immobilized at 6-24 $\mu$ g/mL on a 96 well plate, is able to significantly enhance neurite outgrowth.
<b>Molecular Mass</b>	Approximately 11.2 kDa, a single, non-glycosylated polypeptide chain containing 101

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	amino acids.
<b>AA Sequence</b>	ANHHKAHHVKTGTCEVVALHRCCNKNKIEERSQTVKCSFCFPGQVAGTTRAAPSCV DASIVEQKWWCHMQPCLEGECKVLPDRKGWSSSGNKVKTTTRVTH
<b>Endotoxin</b>	Less than 1 EU/μg of rHuTFA-2 as determined by LAL method.
<b>Purity</b>	>95% by SDS-PAGE and HPLC analysis.
<b>Storage</b>	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.
<b>Reconstitution</b>	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

<b>Gene Name</b>	FAM19A2
<b>Official Symbol</b>	FAM19A2
<b>Synonyms</b>	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;
<b>Gene ID</b>	338811

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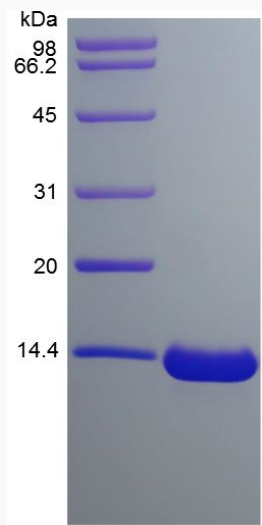
mRNA Refseq [NM\\_178539](#)

Protein Refseq [NP\\_848634](#)

MIM [617496](#)

UniProt ID [Q8N3H0](#)

**SDS-PAGE of  
FAM19A2-609H**



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