

TAFA2/FAM19A2 Protein, Human

Cat. No.:	HY-P72777
Synonyms:	Chemokine-like protein TAFA-2; TAFA-2; FAM19A2
Species:	Human
Source:	E. coli
Accession:	Q8N3H0 (A31-H131)
Gene ID:	338811
Molecular Weight:	11-15 kDa

PROPERTIES

AA Sequence	<p> A N H H K A H H V K T G T C E V V A L H R C C N K N K I E E R S Q T V K C S C F P G Q V A G T T R A A P S C V D A S I V E Q K W W C H M Q P C L E G E E C K V L P D R K G W S C S S G N K V K T T R V T H </p>
Biological Activity	<p>1. The biological activity is determined by its ability to enhance neurite outgrowth of E16-E18 rat embryonic cortical neurons. rHuTAFA-2; immobilized at 6-24 µg/mL on a 96 well plate; is able to significantly enhance neurite outgrowth.</p> <p>2. Measured in a cell proliferation assay using SH-SY5Y human neuroblastoma cells. The ED₅₀ this effect is 1.455-3.659 µg/mL, corresponding to a specific activity is > 273.30 units/mg.</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 2 × PBS, pH 7.4 or 40 mM PB, 300 mM NaCl, pH 6.8.
Endotoxin Level	<1 EU/µg; determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The FAM19A2 protein functions as a neurotrophic factor, playing a critical role in promoting neuronal survival and contributing to various neurobiological functions. Its involvement in supporting the well-being and persistence of neurons underscores its significance in maintaining proper neuronal health. The characterization of FAM19A2 as a neurotrophic factor suggests its potential relevance in neuroprotective strategies and the modulation of essential processes within the</p>
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nervous system.

Caution: Product has not been fully validated for medical applications. For research use only.

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