TM2D1 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P77238
Synonyms:	TM2 domain-containing protein 1; Amyloid-beta-binding protein; hBBP; BBP
Species:	Human
Source:	HEK293
Accession:	Q9BX74/NP_114416.1 (T38-G118)
Gene ID:	83941
Molecular Weight:	Approximately 45-60 kDa.

PROPERTIES

AA Sequence	T S A G G E E S L K C E D L K V G Q Y I C K D P K I N D A T Q E P V N C T N Y T A H V S C F P A P N I T C K D S S G N E T H F T G N E V G F F K P I S C R N V N G
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
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	The TM2D1 protein is suggested to potentially participate in amyloid-beta-induced apoptosis through its interaction with beta-APP42, specifically interacting with amyloid-beta protein 42 (APP beta-APP42). This implies a role for TM2D1 in the molecular pathways associated with amyloid-beta-induced cell death, particularly through its association with the beta-APP42 protein. The precise mechanisms and consequences of this interaction remain areas of interest, highlighting TM2D1's potential involvement in cellular processes related to amyloid-beta signaling and apoptosis.

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

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