

TSC22/TSC22D1 Protein, Human (His)

Cat. No.:	HY-P76685
Synonyms:	TSC22 domain family protein 1; Cerebral protein 2; KIAA1994; TGFB1I4
Species:	Human
Source:	E. coli
Accession:	Q15714-2 (M1-A144)
Gene ID:	8848
Molecular Weight:	Approximately 19-20 kDa

PROPERTIES

AA Sequence	<p>M K S Q W C R P V A M D L G V Y Q L R H F S I S F L S S L L G T E N A S V R L D</p> <p>N S S S G A S V V A I D N K I E Q A M D L V K S H L M Y A V R E E V E V L K E Q</p> <p>I K E L I E K N S Q L E Q E N N L L K T L A S P E Q L A Q F Q A Q L Q T G S P P</p> <p>A T T Q P Q G T T Q P P A Q P A S Q G S G P T A</p>
Biological Activity	Measured by its ability to inhibit the cell growth of HeLa cells. The ED ₅₀ for this effect is 0.6712 µg/mL, corresponding to a specific activity is 1.489×10 ³ units/mg.
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.
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	TSC22D1, a protein integral to the regulation of cellular processes, acts as a positive modulator of cell death in response to TGFβ3 during mammary gland involution. Notably, it forms a heterodimer with TSC22D4/THG1, indicating its involvement in complex interactions that contribute to cellular functions. Additionally, TSC22D1 exhibits interactions with histone H1-2 and GNL3, underlining its versatile role in molecular processes and highlighting its potential significance in various cellular contexts.
-------------------	--

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA