

TSC22/TSC22D1 Protein, Mouse (His)

Cat. No.:	HY-P77259
Synonyms:	TSC22 domain family protein 1; Cerebral protein 2; KIAA1994; TGFB1I4
Species:	Mouse
Source:	E. coli
Accession:	NP_033392 (M1-A143)
Gene ID:	21807
Molecular Weight:	Approximately 17.8 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
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 protein is predicted to possess DNA-binding transcription activator activity, specifically for RNA polymerase II, and RNA polymerase II cis-regulatory region sequence-specific DNA binding activity. Functioning upstream of processes like negative regulation of apoptotic process, positive regulation of apoptotic process, and positive regulation of cell population proliferation, it is found in both the cytoplasm and nucleus. The expression of TSC22D1 spans various structures, including the alimentary system, central nervous system, early conceptus, genitourinary system, and sensory organ. With ubiquitous expression observed in tissues like the adrenal gland and the central nervous system at embryonic day 14, TSC22D1 likely plays a regulatory role in diverse cellular processes across different tissues.
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Caution: Product has not been fully validated for medical applications. For research use only.

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