Recombinant Human TSC22D1 Protein (His Tag)

Catalog Number: PKSH030789

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

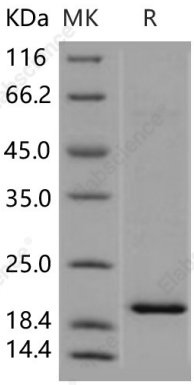
Description

Species	Human
Source	E.coli-derived Human TSC22D1 protein Met 1-Ala 144, with an N-terminal His
Calculated MW	110 kDa
Observed MW	20 kDa
Accession	Q15714-2
Bio-activity	Not validated for activity

Properties

Purity	> 92% as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 92 % as determined by reducing SDS-PAGE.

Background

TSC22 domain family, member 1 (TSC22D1) is one of the TGF-beta-stimulated clone-22 (TSC-22). TSC-22 was reported to be a differentiation-inducing factor which negatively regulates the growth of salivary gland cancer cells. TSC22D1, which encodes transforming growth factor beta-stimulated clone 22 (TSC-22), is thought to be a tumor suppressor because its expression is lost in many glioblastoma, salivary gland, and prostate cancers. TSC-22 is the founding member of the TSC-22/DIP/Bun family of leucine zipper transcription factors. TSC-22 may play an important role in maintaining the differentiated phenotype in salivary gland tumors, and may be a possible target of leukemia therapy. TSC22D1 forms homodimers via its conserved leucine zipper domain and heterodimerizes with TSC22D4. TSC22D1 has transcriptional repressor activity.

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