重组人TEAD4蛋白

Recombinant TEAD4 protein (His tag)

目录号 Catalog Number	542720
同用名 Synonyms	TEA domain family member 4; TEAD-4; Transcription factor 13-like 1; Transcription factor RTEF-1
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	Q15561
分子量 Molecular Weight	Predictes a molecular mass of 27.74 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 28 kDa band.

产品信息

氨基酸序列 Amino Acid Sequence	MSKIKHHHHH HGGSPAPPWQ GRSVASSKLW MLEFSAFLEQ QQDPDTYNKH LFVHIGQSSP SYSDPYLEAV DIRQIYDKFP EKKGGLKDLF ERGPSNAFFL VKFWADLNTN IEDEGSSFYG VSSQYESPEN MIITCSTKVC SFGKQVVEKV ETEYARYENG HYSYRIHRSP LCEYMINFIH KLKHLPEKYM MNSVLENFTI LQVVTNRDTQ ETLLCIAYVF EVSASEHGAQ HHIYRLVKE
性状 Form	冻干粉末 Lyophilized powder
组分 Formulation	Lyophilized from sterile PBS, pH 7.4
纯度 Purity	>90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
内毒素 Endotoxin	Not tested.
活性 Activity	Not tested.
稳定性 Stability	Samples are stable for up to twelve months from date of receipt at -70℃
蛋白构建 Protein Construction	DNA encoding 210-434 aa (Q15561) were fused with N-terminal 6His tag.

保存与运输

复溶 Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
储存 Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
运输 Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

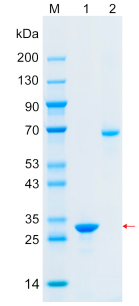
功能描述

研究背景 Background

Recombinant Human TEAD4 Protein Fragment (aa 210-434) is a high-quality, stable, and soluble protein designed for structural and biochemical studies. This fragment of the Transcriptional enhancer factor TEF-3 (TEAD-4) is ideal for investigating its role in the Hippo signaling pathway, which regulates cell proliferation, migration, and organ size control.
The full-length TEAD4 protein, encoded by the TEAD4 gene in Homo sapiens, is a key transcription factor in the Hippo signaling pathway. This pathway is crucial for organ size regulation and tumor suppression by inhibiting proliferation and promoting apoptosis. TEAD4 mediates gene expression driven by YAP1 and WWTR1/TAZ, influencing processes such as epithelial-mesenchymal transition (EMT). It binds specifically to DNA motifs like Sph, GT-IIC, and M-CAT to activate transcription. TEAD4 is localized in the nucleus, underscoring its direct role in gene regulation. The provided fragment (aa 210-434) was selected for its stability and solubility, enabling

验证数据

SDS-PAGE



Recombinant TEAD4 protein (His tag) SDS-PAGE
M: Marker; Lane 1: TEAD4; Lane 2: BSA