

Recombinant Human CREB3L4 protein (His tag)

Catalog Number:PDEH100312



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

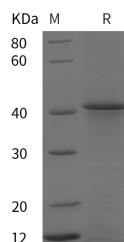
Description

Synonyms	Cyclic AMP-responsive element-binding protein 3-like protein 4;CREB3L4;cAMP-responsive element-binding protein 3-like protein 4;Androgen-induced basic leucine zipper protein (AlbZIP);Attaching to CRE-like 1 (ATCE1);Cyclic AMP-responsive element-binding pr
Species	Human
Expression Host	E.coli
Sequence	Glu 14-Ser 295
Accession	Q8TEY5
Calculated Molecular Weight	32.2 kDa
Observed molecular weight	40 kDa
Tag	N-His & C-His

Properties

Purity	> 95 % 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% Tween80 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



> 95 % as determined by reducing SDS-PAGE.

Background

The cyclic AMP responsive element-binding protein 3-like 4 (CREB3L4) is a transcription factor highly expressed in multiple human cancers. This study aimed to investigate the regulatory effects of CREB3L4 on GC progression and angiogenesis. CREB3L4 was overexpressed in GC tissues and cell lines, and was positively correlated with advanced tumor stage and poor survival in GC patients. The upregulation of CREB3L4 in GC cells increased cell viability, promoted cell proliferation, reduced apoptosis, enhanced cell migration and invasion, and induced the formation of tubule-

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like endothelial structures, whereas CREB3L4 knockdown impeded tumor cell growth, attenuated cell motility, and prevented human umbilical vein endothelial cells from forming tubule-like structures. In addition, mice inoculated with CREB3L4-deficient GC cells showed significantly suppressed tumor growth compared to the group harboring wild-type tumors.

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