abcam

Product datasheet

Recombinant Human TEM7 protein ab152011

Description

Product name	Recombinant Human TEM7 protein
Purity	> 95 % SDS-PAGE. Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Endotoxin level	< 1.000 Eu/µg
Expression system	HEK 293 cells
Accession	Q8IUK5
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	LSPQPGAGHDEGPGSGWAAKGTVRGWNRRARESPGHV SEPDRTQLSQDLG GGTLAMDTLPDNRTRVVEDNHSYYVSRLYGPSEPHSREL WVDVAEANRSQ VKIHTILSNTHRQASRVVLSFDFPFYGHPLRQITMATGGFIF MGDVIHRM LTATQYVAPLMANFNPGYSDNSTVVYFDNGTVFVVQWDH VYLQGWEDKGS FTFQAALHHDGRIVFAYKEIPMSVPEISSSQHPVKTGLSDA FMILNPSPD VPESRRRSIFEYHRIELDPSKVTSMSAVEFTPLPTCLQHRS CDACMSSDL TFNCSWCHVLQRCSSGFDRYRQEWMDYGCAQEAEGRM CEDFQDEDHDSAS PDTSFSPYDGDLTTTSSSLFIDSLTTEDDTKLNPYAGGDGL QNNLSPKTK GTPVHLGTVDHHHHHH
Predicted molecular weight	47 kDa including tags
Amino acids	19 to 426
Tags	His tag C-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab152011** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE HPLC
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -80°C. pH: 7.4 Constituents: 94% Phosphate Buffer, 5% Trehalose, 0.88% Sodium chloride
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

General Info

Function	Plays a critical role in endothelial cell capillary morphogenesis.
Tissue specificity	Detected in endothelial cells from colorectal cancer, and in endothelial cells from primary cancers of the lung, liver, pancreas, breast and brain. Not detectable in endothelial cells from normal tissue. Expressed in fibrovascular membrane with increased expression in individuals with proliferative diabetic retinopathy.
Sequence similarities	Belongs to the plexin family.
Post-translational modifications	N-glycosylated.
Cellular localization	Cytoplasm; Secreted and Cell membrane. Cell junction > tight junction. Localized predominantly at the tight junctions of vascular endothelial cells and to a lesser extent at the luminal surface of vascular endothelial cells.

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