

Datasheet for ABIN7539306 **CCBE1 Protein (His tag)**



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Overview

Quantity:	5 µg
Target:	CCBE1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCBE1 protein is labelled with His tag.

Product Details

Purpose:	ccbe1 (fragment)
Sequence:	MCECREGYIR EDDGKTCTRG DKYPNDTGHE KSENMVKAGT CCATCKEFYQ MKQTVLQLKQ KIALLPNNAA DLGKYITGDK VLASNTYLPG PPGLEHHHHH H
Specificity:	Chromosomal location:18q21.32
Characteristics:	Length (aa):101
Purity:	> 95 % by SDS-PAGE and visualized by Coomassie stain

Target Details

Target:	CCBE1
Alternative Name:	ccbe1 (CCBE1 Products)
Background:	Collagen and calcium binding EGF domains 1, KIAA1983, The lymphatic system comprises a vascular system separate from the cardiovascular system, essential for immune responses, fluid homeostasis and fat absorption. Lymphatic vessels develop in a complex process termed

Target Details

lymphangiogenesis that involves budding, migration and proliferation of lymphatic endothelial progenitor cells. A few genes, such as FLT4, FOXC2 and SOX18, are known to be critically involved in lymph vessel formation in humans. Lymphedema, lymphangiectasias, mental retardation and unusual facial characteristics define the autosomal recessive Hennekam syndrome. Homozygosity mapping identified a critical chromosomal region containing ccbe1, encoding Collagen and Calcium-Binding EGF-domain-1, a secreted protein which is required for embryonic lymphangiogenesis in zebrafish. ccbe1 is not expressed in endothelial cells of lymph vessels, and it may be a component of the extracellular matrix. In zebrafish, ccbe1 expression was observed along the earliest migration routes of endothelial cells that sprout from the posterior cardinal vein and migrate circuitously before developing into lymphatic vessels. ccbe1 might therefore be involved in guidance of these migrating cells.

Molecular Weight: 15.0 kDa

Gene ID: 147372

NCBI Accession: [NM_133459](#), [NP_597716](#)

UniProt: [Q6UXH8](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge vial prior to opening. The lyophilized ccbe1 is soluble in water and most aqueous buffers and should be reconstituted in PBS to a concentration not lower than 50 µg/mL.

Buffer: PBS

Storage: -20 °C, -80 °C

Storage Comment: Lyophilized samples are stable for greater than six months at -20°C to -70°C. Reconstituted ccbe1 should be stored in working aliquots at -20°C.

Expiry Date: 6 months