

Product datasheet

Human htrA1 peptide ab112516

製品の概要

製品名 Human htrA1 peptide

製品の詳細

由来 Synthetic

アミノ酸配列

アクセッション番号 [5654](#)

生物種 Human

領域 116 to 147

特性

Our [Abpromise guarantee](#) covers the use of **ab112516** in the following tested applications.

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

アプリケーション Blocking

製品の状態 Liquid

前処理および保存

保存方法および安定性 Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.

Constituent: 100% dH2O

関連情報

機能 Protease that regulate the availability of insulin-like growth factors (IGFs) by cleaving IGF-binding proteins. Represses signaling by TGF-beta family members.

組織特異性 Expressed in a variety of tissues, with strongest expression in placenta.

関連疾患 Variations in the promoter region of HTRA1 are the cause of susceptibility to age-related macular degeneration type 7 (ARMD7) [MIM:610149]. ARMD is the leading cause of vision loss and blindness among older individuals in the developed world. It is classified as either dry (nonneovascular) or wet (neovascular). ARMD7 is a wet form, in which new blood vessels form

and break beneath the retina. This leakage causes permanent damage to surrounding retinal tissue, distorting and destroying central vision. Wet ARMD is more prevalent among Asians than Caucasians.

Defects in HTRA1 are the cause of cerebral autosomal recessive arteriopathy with subcortical infarcts and leukoencephalopathy (CARASIL) [MIM:600142]. CARASIL is characterized by nonhypertensive cerebral small-vessel arteriopathy with subcortical infarcts, alopecia, and spondylosis, with an onset in early adulthood. On neuropathological examination, arteriosclerosis associated with intimal thickening and dense collagen fibers, loss of vascular smooth-muscle cells, and hyaline degeneration of the tunica media has been observed in cerebral small arteries.

配列類似性

Belongs to the peptidase S1B family.
Contains 1 IGFBP N-terminal domain.
Contains 1 Kazal-like domain.
Contains 1 PDZ (DHR) domain.

細胞内局在

Secreted.

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