abcam

Product datasheet

Recombinant Human htrA1 protein ab191464

1 Image

Description

Product name	Recombinant Human htrA1 protein
Purity	> 95 % SDS-PAGE.
Expression system	Baculovirus infected Sf9 cells
Accession	Q92743
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	QLSRAGRSAPLAAGCPDRCEPARCPPQPEHCEGGR ARDACGCCEVCGAPE GAACGLQEGPCGEGLQCVVPFGVPASATVRRRAQA GLCVCASSEPVCGSD ANTYANLCQLRAASRRSERLHRPPVIVLQRGACGQGQ EDPNSLRHKYNFI ADVVEKIAPAVVHIELFRKLPFSKREVPVASGSGFIVS EDGLIVTNAHVV TNKHRVKVELKNGATYEAKIKDVDEKADIALIKIDHQGK LPVLLLGRSSE LRPGEFVVAIGSPFSLQNTVTTGIVSTTQRGGKELGLR NSDMDYIQTDAI INYGNSGGPLVNLDGEVIGINTLKVTAGISFAIPSDKIKKF LTESHDRQA KGKAITKKKYIGIRMMSLTSSKAKELKDRHRDFPDVISG AYIIEVIPDTP AEAGGLKENDVIISINGQSVVSANDVSDVIKRESTLNMV VRRGNEDIMIT VIPEEIDP
Predicted molecular weight	58 kDa including tags
Amino acids	23 to 480
Tags	His tag N-Terminus
Additional sequence information	Mature full length protein corresponding to amino acids 23-480 of human htrA with N terminal His tag.

Specifications

Our Abpromise guarantee covers the use of **ab191464** 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
Form	Liquid

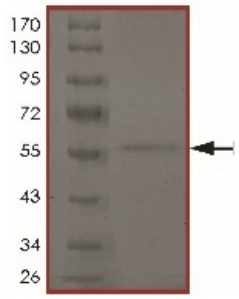
Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Preservative: 1.02% Imidazole Constituents: 0.79% Tris HCl, 1.74% Sodium chloride, 10% Glycerol

General Info

Function	Protease that regulate the availability of nsulin-like growth factors (IGFs) by cleaving IGF-binding proteins. Represses signaling by TGF-beta family members.
Tissue specificity	Expressed in a variety of tissues, with strongest expression in placenta.
Involvement in disease	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 word. 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.
Sequence similarities	Belongs to the peptidase S1B family. Contains 1 IGFBP N-terminal domain. Contains 1 Kazal-like domain. Contains 1 PDZ (DHR) domain.
Cellular localization	Secreted.

Images



SDS-PAGE - Recombinant Human htrA1 protein (ab191464)

SDS-PAGE analysis of ab191464

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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