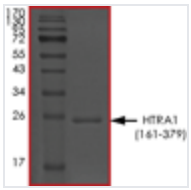
HTRA1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	HTRA1, Recombinant Protein
Full Product Name	HTRA1 (161-379) Protein
Product Gene Name	HTRA1 recombinant protein
Product Synonym Names	ARMD7; CARASIL; HtrA; L56; ORF480; PRSS11
Host	E Coli
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH8.0, 300mM NaCl, 150mM imidazole and 10% glycerol.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Molecular Weight	25kDa
Tag	HIS
Species	Human
Dry Ice Shipment	Extra charge fee may add to your shipping cost as dry ice is required to ship this product.
Product Categories/Family for HTRA1 recombinant protein	Regulatory Proteins; Cell Cycle; Neurobiology; Ser/Thr Kinases
Applications Tested/Suitable for HTRA1 recombinant protein	Western Blot (WB)
Related Product Information for HTRA1 recombinant protein	Recombinant human HTRA1 (161-379) protein was expressed in E Coli cells using an N-terminal His-tag. The protein accession number is NM_002775. HTRA1 is a serine protease. HTRA1 targets a variety of proteins (1 & 2), including fibronectin (induce synovial cells to up-regulate MMP1 and MMP3 production), proteoglycans (release soluble FGF-glycosaminoglycan complexes that promote the range and intensity of FGF signals in the extracellular space), IGF-binding proteins (regulates the availability of insulin-like growth factors) and TSC2 (leads to the activation of TSC2 downstream targets). HTRA1 relates to age-related macular degeneration, a multifactorial eye disease and the most common cause of irreversible vision loss (3).
Product References and Citations for HTRA1 recombinant protein	1. Hu S.I. et.al: Human HtrA, an evolutionarily conserved serine protease identified as a differentially expressed gene product in osteoarthritic cartilage. J. Biol. Chem. 273:34406-34412 (1998). 2. Grau S. et.al: The role of human HtrA1 in arthritic disease. J. Biol. Chem. 281:6124-6129 (2006). 3. Yang, Z. et.al: A variant of the HTRA1 gene increases susceptibility to age-related macular degeneration. Science 314: 992-993, 2006.
Other Notes	Small volumes of HTRA1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HTRA1 purchase	MBS517054 is a recombinant protein targeting HTRA1. Also known as HTRA1 (161-379) Protein. Host: E Coli.



SDS-Page of HTRA1 recombinant protein
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HTRA1. It may not necessarily be applicable to this product.

GenBank Nucleotide #	NM_002775
Protein Family	Serine protease
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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