

Product datasheet for TP507695

OriGene Technologies, Inc.

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Htra1 (NM_019564) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse HtrA serine peptidase 1 (Htra1), with C-terminal

MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse Expression Host: HEK293T

Expression cDNA Clone

or AA Sequence:

>MR207695 protein sequence Red=Cloning site Green=Tags(s)

MQSLRTTLLSLLLLLAAPSLALPSGTGRSAPAATVCPEHCDPTRCAPPPTDCEGGRVRDACGCCEVCGA LEGAACGLQEGPCGEGLQCVVPFGVPASATVRRRAQAGLCVCASSEPVCGSDAKTYTNLCQLRAASRRSE KLRQPPVIVLQRGACGQGQEDPNSLRHKYNFIADVVEKIAPAVVHIELYRKLPFSKREVPVASGSGFIVS EDGLIVTNAHVVTNKNRVKVELKNGATYEAKIKDVDEKADIALIKIDHQGKLPVLLLGRSSELRPGEFVV AIGSPFSLQNTVTTGIVSTTQRGGKELGLRNSDMDYIQTDAIINYGNSGGPLVNLDGEVIGINTLKVTAG ISFAIPSDKIKKFLTQSHDRQAKGKAVTKKKYIGIRMMSLTSSKAKELKDRHRDFPDVLSGAYIIEVIPD

TPAEAGGLKENDVIISINGQSVVTANDVSDVIKKENTLNMVVRRGNEDIVITVIPEEIDP

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Tag: C-MYC/DDK
Predicted MW: 51.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 062510

Locus ID: 56213





UniProt ID: Q9R118

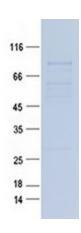
RefSeq Size: 2051 Cytogenetics: 7 F3 RefSeq ORF: 1443

Synonyms: Al429470; HTRA; L56; Prss11; RSPP11

Summary: Serine protease with a variety of targets, including extracellular matrix proteins such as

fibronectin. HTRA1-generated fibronectin fragments further induce synovial cells to upregulate MMP1 and MMP3 production. May also degrade proteoglycans, such as aggrecan, decorin and fibromodulin. Through cleavage of proteoglycans, may release soluble FGF-glycosaminoglycan complexes that promote the range and intensity of FGF signals in the extracellular space. Regulates the availability of insulin-like growth factors (IGFs) by cleaving IGF-binding proteins. Inhibits signaling mediated by TGF-beta family members. This activity requires the integrity of the catalytic site, but it is unclear whether it leads to the proteolytic degradation of TGF-beta proteins themselves (PubMed:18551132) or not (PubMed:14973287). By acting on TGF-beta signaling, may regulate many physiological processes, including retinal angiogenesis and neuronal survival and maturation during development. Intracellularly, degrades TSC2, leading to the activation of TSC2 downstream targets.[UniProtKB/Swiss-Prot Function]

Product images:



Purified recombinant protein Htra1 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.