

Product datasheet for **TP507695**

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)

MQSLRRTLLSLLLLLLAAPSLALPSGTGRSAPAATVCP EHC DPTRCAPPPTDCEGGRVRDACGCCEVCGA
LEGAACGLQEGPCGEG LQC VV PFGVPASATVRRRAQAGLCVCASSE P VCGSDAKTYTNLCQLRAASRRSE
KLRQPPVIVLQRGACGQGQEDPNSLRHKYNFIA DVVEKIAPAVWHIELYRKL PFSKREVPV ASGSGFIVS
EDGLIVTNAHWVTNKNRVKVELKNGATYEAKIKDVDEKADIALIKIDHQGKLPVLLLGRSSELRPGEFV
AIGSPFSLQNTVTTGIVSTTQRGGKELGLRNSDMDYIQTDAIINYGNSGGPLVNL DGEVIGINTLKVTAG
ISFAIPSDKIKKFLTQSHDRQAKGKAVTKKKYIGIRMMSLTSSKAKELKDRHRDFPDVLSGAYIIEVIPD
TPAEAGGLKENDVIISINGQSVVTANDVSDVIKKENTLNMVVRG NEDIVITVPIEEIDP

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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



[View online »](#)

UniProt ID:	Q9R118
RefSeq Size:	2051
Cytogenetics:	7 F3
RefSeq ORF:	1443
Synonyms:	AI429470; 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 up-regulate 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 Coomassie Blue Staining.