

Recombinant Human HTRA1 protein, His & GST-tagged

Cat. No. HTRA1-1859H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HTRA1 aa. (Gly204~Leu364) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gly204~Leu364
Description	This gene encodes a member of the trypsin family of serine proteases. This protein is a secreted enzyme that is proposed to regulate the availability of insulin-like growth factors (IGFs) by cleaving IGF-binding proteins. It has also been suggested to be a regulator of cell growth. Variations in the promoter region of this gene are the cause of susceptibility to age-related macular degeneration type 7.
Form	Freeze-dried powder
Molecular Mass	47kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200µg/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Isoelectric Point	6.6

GENE INFORMATION

Gene Name	HTRA1 HtrA serine peptidase 1 [Homo sapiens (human)]
Official Symbol	HTRA1
Synonyms	HTRA1; HtrA serine peptidase 1; L56; HtrA; ARMD7; ORF480; PRSS11; CARASIL; CADASIL2; serine protease HTRA1; IGFBP5-protease; high-temperature requirement A serine peptidase 1; protease, serine, 11 (IGF binding)
Gene ID	5654
mRNA Refseq	NM_002775.4

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Protein Refseq	NP_002766.1
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UniProt ID	Q92743
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