

Recombinant Human HTRA4 Protein, His-tagged

Cat. No. HTRA4-2262H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HTRA4 Protein (Gly202-Leu362) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly202-Leu362
Description	This gene encodes a member of the HtrA family of proteases. The encoded protein contains a putative signal peptide, an insulin growth factor binding domain, a Kazal protease inhibitor domain, a conserved trypsin domain and a PDZ domain. Based on studies on other related family members, this enzyme may function as a secreted oligomeric chaperone protease to degrade misfolded secretory proteins. Other human HtrA proteins have been implicated in arthritis, tumor suppression, unfolded stress response, apoptosis, and aging.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.9 kDa Accurate Molecular Mass: 21 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
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.

GENE INFORMATION

Gene Name	HTRA4 HtrA serine peptidase 4 [Homo sapiens (human)]
Official Symbol	HTRA4
Synonyms	HTRA4; HtrA serine peptidase 4; probable serine protease HTRA4; FLJ90724;
Gene ID	203100
mRNA Refseq	NM_153692
Protein Refseq	NP_710159
MIM	610700

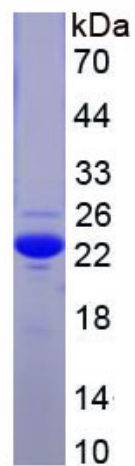
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UniProt ID

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