HTRA1 (S328A) Protein
Recombinant human protein expressed in E. coli cells

Catalog # H531-32BH
Lot # U1644-4

Product Description
Recombinant human HTRA1 (S328A) (161-379) mutant protein was expressed in E. coli cells using an N-terminal His-tag. The protein accession number is NM_002775.

Gene Aliases
ARMD7; CARASIL; HtrA; L56; ORF480; PRSS11

Formulation
Recombinant protein stored in 50mM Tris-HCl, pH 8.0, 300mM NaCl, 150mM imidazole and 10% glycerol.

Storage and Stability
Store product at –70°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.

Scientific Background
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).

References

Purity
The purity of HTRA1 was determined to be >90% by densitometry. Approx. MW 26 kDa.

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Purity >90%
Concentration 0.1 µg/µl
Stability 1yr at –70°C from date of shipment
Storage & Shipping Store product at –70°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. Product shipped on dry ice.

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