

Product Data Sheet

□ Cat # RP-413

Recombinant Human HTRA2

Size: □ 10 ug

Htra2 also called Omi is a mammalian serine protease at high temperatures and has a chaperone activity at low temperature. The full-length Htra2 is synthesized as a precursor protein and then targeted to the mitochondria where it is matured by the removal of N-terminal 133 residues. Mature Htra2 consists of a putative transmembrane domain; an inhibitor of apoptosis protein (IAP)-binding motif; a single C-terminal PDZ domain that mediates protein-protein interactions. Recently, Htra2 has known to contribute both to caspase-dependent and caspase-independent cell death.

Source: *Escherichia Coli*. Htra2 Human Recombinant amino acids 134-458 His-Tag fusion protein produced in E.Coli is a single, non-glycosylated polypeptide chain having a molecular mass of 32 kDa. The Htra2 is purified by proprietary chromatographic techniques. The protein (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 50mM NaCl, 1mM DTT, and 20% Glycerol.

Applications and Suggested Dilutions: Greater than 90.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Storage and Stability: Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Avoid multiple freeze-thaw cycles.**

Usage: This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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