

Active Recombinant Human F2 Protein, His-tagged

Cat. No. F2-1103H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human F2 (Accession # P00734) Met1-Glu622, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	Met1-Glu622
Predicted N Terminal	Thr328, Ile364 & Val515
Form	Lyophilized from a 0.2 µ filtered solution in HEPES and NaCl.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate Boc-VPR-AMC. The specific activity is >20,000 pmol/min/µg, as measured under the described conditions.
Molecular Mass	Recombinant Human F2, His-tagged has a calculated MW of 4 kDa (light chain A), 31 kDa (heavy chain B), 14 kDa (C-terminal fragment). In SDS-PAGE migrates as 12 kDa, 21 kDa and 23 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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GENE INFORMATION

Gene Name	F2 coagulation factor II (thrombin) [Homo sapiens]
Official Symbol	F2
Synonyms	F2; coagulation factor II (thrombin); prothrombin; serine protease; prothrombin B-chain; PT; THPH1;
Gene ID	2147
mRNA Refseq	NM_000506
Protein Refseq	NP_000497
MIM	176930
UniProt ID	P00734
Chromosome Location	11p11-q12

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