

Product Data Sheet

Recombinant Human THOP1 Protein

Catalog #	Source	Reactivity	Applications
CRP2382	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human THOP1 Protein is produced by our E. coli expression system and the target gene encoding Lys2-Cys689 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM PB, 100mM NaCl, 10% Glycerol, pH 7.0.		
Gene Symbol	THOP1		
Alternative Names	Thimet oligopeptidase; Endopeptidase 24.15; MP78		
Entrez Gene	7064 (Human)		
SwissProt	P52888 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	MKPPAACAGD MADAASPCSV VNDLRWDLA QQIEERTREL IEQTKRVYDQ VGTQEFEDVS YESTLKALAD VEVITYTVQRN ILDFPQHVSP SKDIRTASTE ADKKLSEFDV EMSMREDVYQ RIVWLQEKVQ KDSLRPEAAR YLERLIKLRG RNLHLPRET QENIKRIKKK LSLLCIDFNK NLNEDTTFLP FTLQELGGLP EDFLNSLEKM EDGKLKVTLK YPHYFPLKK CHVPETRRKV EEAFNCRCKE ENCAILKELV TLRAQKSRLG GFHTHADYVL EMNMAKTSQT VATFLDELAQ KLKPLGEQER AVILELKRAE CERRGLPFDG RIRAWDMRYM MNQVEETRYC VQDQNLKEYF PVQVVTHGLL GIYQELLGLA FHHEEGASAW HEDVRLYTAR DAASGEVVGK FYLDLYPREG KYGHAACFGL QPGCLRQDGS RQIAIAAMVA NFKTKPTADAP SLLQHDEVET YFHEFGHVMH QLCSQAEFAM FSGTHVERDF VEAPSQMLEN WVWEQEPLL MSRHRYRTGSA VPRELLEKLI ESRQANTGLF NLRQIVLAKV DQALHTQTDA DPAAEYARLC QEILGVPATP GTNMPATFGH LAGGYDAQYY GYLWSEVYSM DMFHTRFKQE GVLNSKVGMD YRSCILRPGG SEDASAMLR FLGRDPKQDA FLLSKGLQVG GCEPEPQVCL EHHHHHHH		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Directions for Use	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage/Stability	Store it at -20°C to -80°C for one year.

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