

## Active Recombinant Human TRAP1, FLAG-tagged

Cat. No. TRAP1-8462H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human TRAP1 has a C-terminal FLAG tag and has 702 amino acid residues. It has been identified to be protective for cell survival, and has been suggested as a target for anti-cancer therapeutics. Also can be useful for studies including enzyme
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Human TRAP1 belongs to the mitochondrial heat shock protein family. These molecular chaperones are highly conserved and play an important role in signal transduction, protein folding and degradation.
<b>Form</b>	50 mM potassium phosphate pH 7.4, 50 mM sodium chloride, 0.5 mM DTT, 0.5 mM EDTA, and 2.5% glycerol.
<b>Bio-activity</b>	Kd = 1.95 nM. Assay conditions: 20 mM HEPES, pH 7.5, 50 mM KCl, 5 mM MgCl <sub>2</sub> , 20 mM sodium molybdate, 2 mM DTT, 0.01% NP40, 100 µg/ml BSA, 50 nM TRAP1, geldanamycin-FITC (titration range 0.016-16 nM) incubated at 40C for 24 hrs. Fluorescence polarizat
<b>Molecular Mass</b>	76.5 kDa
<b>Purity</b>	≥95% by SDS - PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Storage</b>	The protein is best stored in working aliquots at -80 °C. Avoid freeze/thaw cycles.
<b>Shipping</b>	Dry Ice
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	TRAP1 TNF receptor-associated protein 1 [ Homo sapiens ]
<b>Official Symbol</b>	TRAP1
<b>Synonyms</b>	TRAP1; TNF receptor-associated protein 1; heat shock protein 75 kDa, mitochondrial; HSP75; HSP90L; HSP 75; TRAP-1; TNFR-associated protein 1; tumor necrosis factor type 1 receptor associated protein; tumor necrosis factor type 1 receptor-associated protein;
<b>Gene ID</b>	10131
<b>mRNA Refseq</b>	NM_016292
<b>Protein Refseq</b>	NP_057376
<b>MIM</b>	606219
<b>UniProt ID</b>	Q12931
<b>Chromosome Location</b>	16p13.3
<b>Pathway</b>	TGF-beta Receptor Signaling Pathway, organism-specific biosystem;
<b>Function</b>	ATP binding; nucleotide binding; tumor necrosis factor receptor binding; unfolded

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protein binding;

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