

Active Recombinant Human TRAP1, FLAG-tagged

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

SPECIFICATION

Product Overview	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
Species	Human
Source	E.coli
Description	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.
Form	50 mM potassium phosphate pH 7.4, 50 mM sodium chloride, 0.5 mM DTT, 0.5 mM EDTA, and 2.5% glycerol.
Bio-activity	Kd = 1.95 nM. Assay conditions: 20 mM HEPES, pH 7.5, 50 mM KCl, 5 mM MgCl ₂ , 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 40°C for 24 hrs. Fluorescence polarizat
Molecular Mass	76.5 kDa
Purity	≥95% by SDS - PAGE

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

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protein binding;

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