

Recombinant Human ACP5, GST-tagged

Cat. No. ACP5-9308H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACP5 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-325a.a.
Description	This gene encodes an iron containing glycoprotein which catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. It is the most basic of the acid phosphatases and is the only form not inhibited by L(+)-tartrate.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	ACP5 acid phosphatase 5, tartrate resistant [Homo sapiens]
Official Symbol	ACP5

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Synonyms	ACP5; acid phosphatase 5, tartrate resistant; tartrate-resistant acid phosphatase type 5; tartrate resistant acid phosphatase; TRAP; TrATPase; tartrate-resistant acid ATPase; SPENCDI;
Gene ID	54
mRNA Refseq	NM_001111034
Protein Refseq	NP_001104504
MIM	171640
UniProt ID	P13686
Chromosome Location	19p13.3-p13.2
Pathway	Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Metabolism, organism-specific biosystem; Metabolism of vitamins and cofactors, organism-specific biosystem; Metabolism of water-soluble vitamins and cofactors, organism-specific biosystem; Osteoclast Signaling, organism-specific biosystem; Osteoclast differentiation, organism-specific biosystem;
Function	acid phosphatase activity; ferric iron binding; ferrous iron binding; hydrolase activity; metal ion binding;