

Recombinant Human ACP5 protein, His & GST-tagged

Cat. No. ACP5-7903H **Lot. No.** (See product label)

SPECIFICATION

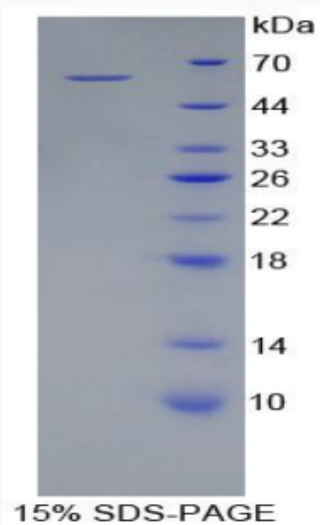
Product Overview	Recombinant Human ACP5 aa. (Gln79~Arg318 (Accession # P13686)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln79~Arg318
Description	This gene encodes an iron containing glycoprotein which catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. It is the most basic of the acid phosphatases and is the only form not inhibited by L(+)-tartrate.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 59.8kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.4.
Applications	SDS-PAGE; WB; ELISA; IP

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
GENE INFORMATION	
Gene Name	ACP5 acid phosphatase 5, tartrate resistant [Homo sapiens (human)]
Official Symbol	ACP5
Synonyms	HPAP; TRAP; TRACP5a; TRACP5b; TrATPase; human purple acid phosphatase; tartrate-resistant acid ATPase; tartrate-resistant acid phosphatase 5a; tartrate-resistant acid phosphatase 5b; tartrate-resistant acid phosphatase type 5
Gene ID	54
mRNA Refseq	NM_001111034.2
Protein Refseq	NP_001104504.1
UniProt ID	P13686

SDS-PAGE

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