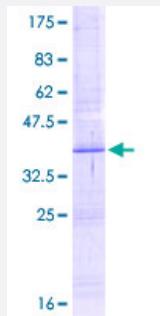


ACP5 (Human) Recombinant Protein (Q02)

Catalog # H00000054-Q02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ACP5 partial ORF (AAH25414.1, 72 a.a. - 158 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	NFYFTGVQDINDKRFQETFEDVFSDRSLRKVPWYVLAGNHDHLGNVSAQIAYSKISKRWNFPSPFYRLHFKIPQTNVSVAIFMLDTV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.31
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ACP5

Entrez GeneID	54
GeneBank Accession#	BC025414
Protein Accession#	AAH25414.1
Gene Name	ACP5
Gene Alias	MGC117378, TRAP
Gene Description	acid phosphatase 5, tartrate resistant
Omim ID	171640
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	TrATPase tartrate resistant acid phosphatase 5 tartrate-resistant acid ATPase

Pathway

- [gamma-Hexachlorocyclohexane degradation](#)
- [Lysosome](#)
- [Riboflavin metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Osteonecrosis](#)