

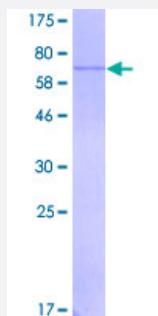
Full-Length

ACP2 (Human) Recombinant Protein (P01)

Catalog # H00000053-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ACP2 full-length ORF (AAH03160, 1 a.a. - 423 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAGKRSGWSRAALLQLLLGVNLVVMPTQARSLRFVTLRYHGDRSPVKTYPKDPYQEEWPQ
GFGQLTKEGMLQHWELGQALRQRYHGFLNTSYHRQEVYVRSTDFDRTLMSAEANLAGLFPPNG
MQRFNPNISWQPIPVHTVPITEDRLLKFPLGPCPRYEQQLQNETRQTPEYQNESSRNAQFLDMVAN
ETGLDLTLETVWNVYDTLFCQTHGLRLPPWASPQTMQRLSRLKDFSFRFLFGIYQQAQEKARLQ
GGVLLAQIRKNLTLMATTSQLPKLLVYSAHDTTLVALQMALDVYNGEQAPYASCHIFELYQEDSGN
FSVEMYFRNESDKAPWPLSLPGCPHRCPLQDFLRLTEPVVPKDWQQECQLASGPADTEVIVAL
AVCGSILFLLMLLLTVLFRMQAQP PGYRHVADGEDHA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

72.27

Interspecies Antigen Sequence

Mouse (90); Rat (90)

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 — ACP2

Entrez GeneID	53
GeneBank Accession#	BC003160
Protein Accession#	AAH03160
Gene Name	ACP2
Gene Alias	-
Gene Description	acid phosphatase 2, lysosomal
Omim ID	171650
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the beta subunit of lysosomal acid phosphatase (LAP). LAP is chemically and genetically distinct from red cell acid phosphatase. The encoded protein belongs to a family of distinct isoenzymes which hydrolyze orthophosphoric monoesters to alcohol and phosphate. Mutations in this gene or in the related alpha subunit gene cause acid phosphatase deficiency. Multiple alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq]
Other Designations	-

Pathway

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

Disease

- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)
- [Supranuclear Palsy](#)