ALPPL2 (Human) Recombinant Protein (Q01)

Catalog # H00000251-Q01 Size 25 ug, 10 ug

Applications



Specification	
Product Description	Human ALPPL2 partial ORF (NP_112603, 365 a.a 454 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SEEDTLSLVTADHSHVFSFGGYPLRGSSIFGLAPGKARDRKAYTVLLYGNGPGYVLKDGARPDVT ESESGSPEYRQQSAVPLDGETHAGE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.64
Interspecies Antigen Sequence	Mouse (71)
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-HCI, 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 — ALPPL2	
Entrez GenelD	251
GeneBank Accession#	<u>NM_031313</u>
Protein Accession#	<u>NP_112603</u>
Gene Name	ALPPL2
Gene Alias	ALPG, ALPPL, GCAP
Gene Description	alkaline phosphatase, placental-like 2
Omim ID	<u>171810</u>
Gene Ontology	Hyperlink
Gene Summary	There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-lik e, and liver/bone/kidney (tissue non-specific). The product of this gene is a membrane bound glyc osylated enzyme, localized to testis, thymus and certain germ cell tumors, that is closely related to both the placental and intestinal forms of alkaline phosphatase. [provided by RefSeq
Other Designations	Nagao isozyme germ cell alkaline phosphatase placental-like alkaline phosphatase testicular and thymus alkaline phosphatase

Pathway

- Folate biosynthesis
- gamma-Hexachlorocyclohexane degradation
- Metabolic pathways