



# Recombinant Protein Technical Manual

## Recombinant Human Placental Alkaline Phosphatase 1/ALPP Protein (His Tag) RPES2351

### Product Data:

**Product SKU:** RPES2351

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P05187

### Protein Information:

**Molecular Mass:** 53.7 kDa

**AP Molecular Mass:** 65 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of PBS, pH 7.4 .

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Alkaline phosphatase; placental type; Alkaline phosphatase Regan isozyme; Placental alkaline phosphatase 1; ALPP and PLAP;

## Immunogen Information:

**Sequence:** Ile23-Asp506

## Background:

ALPP is a membrane protein and exists as a homodimer. ALPP is expressed only in normal term placenta, endocervix and fallopian tube and also in ovarian and proximal gastrointestinal tumors. It has been shown to play a role in a number of processes including cell signaling, long-term potentiation, and cell adhesion, however, the best known and most commonly studied role is implicated in Alzheimer's research.