



# Recombinant Protein Technical Manual

## Recombinant Human ERMAP Protein (His Tag)

RPES3242

### Product Data:

**Product SKU:** RPES3242

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** Q96PL5

### Protein Information:

**Molecular Mass:** 14.8 kDa

**AP Molecular Mass:** 16 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:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

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

**Application:**

**Synonyms:** Erythroid Membrane-Associated Protein; hERMAP; Radin Blood Group Antigen; Scianna Blood Group Antigen; ERMAP; RD; SC

## Immunogen Information:

**Sequence:** His30-Ala155

## Background:

Human Erythroid Membrane-Associated Protein (ERMAP) is a cell surface transmembrane protein that belongs to the immunoglobulin superfamily. It is highly expressed in bone marrow and to a lower extent in leukocytes, thymus, lymph node and spleen. ERMAP contains 1 B30.2/SPRY domain and 1 Ig-like V-type (immunoglobulin-like) domain. It may serve as an erythroid cell receptor, possibly as a mediator of cell adhesion. ERMAP is responsible for the Scianna/Radin blood group system. Two transcript variants encoding the same protein have been found for this gene ERMAP.