



# Recombinant Protein Technical Manual

## Recombinant Human Galectin4/LGALS14 Protein (His Tag) RPES4613

### Product Data:

**Product SKU:** RPES4613

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** Q8TCE9

### Protein Information:

**Molecular Mass:** 17.1 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:** 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 20mM Tri, 100mM NaCl, 1mM DTT, 20% glycerol, pH 8.0.

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

**Application:**

**Synonyms:** Placental Protein 13-Like; Charcot-Leyden Crystal Protein 2; CLC2; Galectin4; Gal4; LGALS14; PPL13

## Immunogen Information:

**Sequence:** Met 1-Asp139

## Background:

Galectin4 is a member of the Galectin family of carbohydrate binding proteins. The members of Galectin family contain one or two carbohydrate recognition domains, which can bind  $\beta$ -Galactoside. LGALS14 is expressed intracellularly in placenta and eosinophils, and is released by eosinophils following allergen stimulation. LGALS14 may be involved in the development of allergic inflammation. Two alternatively spliced transcript variants encoding distinct isoforms have been observed.