



# Recombinant Protein Technical Manual

## Recombinant Human Retbindin/RTBDN Protein (His Tag)

RPE3761

### Product Data:

**Product SKU:** RPE3761

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** Q9BSG5

### Protein Information:

**Molecular Mass:** 22.3 kDa

**AP Molecular Mass:** 30 (120) kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 85 % 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, pH7.4.

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

**Application:**

**Synonyms:** Retbindin; RTBDN

## Immunogen Information:

**Sequence:** Ser31-Pro229

## Background:

Human Retbindin is a 229 amino acid secreted protein that belongs to the folate receptor family. The gene that encodes retbindin exists as two alternatively spliced isoforms. Retbindin is first expressed in retina. It may play a role in binding retinoids and other carotenoids as it shares homology with;riboflavin binding proteins. RTBDN gene was first identified in a study of human eye tissues.