



# Recombinant Protein Technical Manual

## Recombinant Human LRP12 Protein (His Tag)

RPES3696

### Product Data:

**Product SKU:** RPES3696

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** Q9Y561

### Protein Information:

**Molecular Mass:** 52.5 kDa

**AP Molecular Mass:** 68 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 90 % 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:** Low-Density Lipoprotein Receptor-Related Protein 12; LRP2; Suppressor of Tumorigenicity 7 Protein; LRP12; ST7

## Immunogen Information:

**Sequence:** Asn28-Ile488

## Background:

Low-Density Lipoprotein Receptor-Related Protein 12 (LRP12) belongs to the LDLR family. LRP12 is a type I transmembrane protein and widely expressed in heart, skeletal muscle, brain, lung, placenta and pancreas. LRP12 contains 2 CUB domain and 5 LDL-receptor class A domain. LRP12 has been shown to interact with GNB2L1, ZFYVE9 and ITGB1BP3. LRP12 is a receptor probably, which may be involved in the internalization of lipophilic molecules and/or signal transduction. In addition, LRP12 may act as a tumor suppressor.