



Recombinant Protein Technical Manual  
Recombinant Human KCT2/C5orf15 Protein (His Tag)  
RPES4077

### Product Data:

**Product SKU:** RPES4077

**Size:** 20µg

**Species:** Human

**Expression host:** HEK293 Cells

**Uniprot:** NP\_064584.1

### Protein Information:

**Molecular Mass:** 17.5 kDa

**AP Molecular Mass:** 33-47 kDa

**Tag:** C-His

**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 sterile PBS, pH 7.4

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

**Application:**

**Synonyms:** HTGN29;KCT2

## Immunogen Information:

**Sequence:** Met 1-Asp196

## Background:

KCT2, also known as C5orf15, KCT2 gene maps to human chromosome 5q31.1 and is conserved in human, chimpanzee, cow, rat, and chicken. KCT2 is a 265 amino acid single-pass type I membrane protein that is widely expressed. Chromosome 5 is associated with Cockayne syndrome through the ERCC8 gene and familial adenomatous polyposis through the adenomatous polyposis coli (APC) tumor suppressor gene. Chromosome 5 contains 181 million base pairs and comprises nearly 6% of the human genome.