

## Recombinant Human KCT2/C5orf15 Protein (His Tag)

Catalog No. PKSH030559

*Note:* Centrifuge before opening to ensure complete recovery of vial contents.

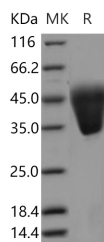
### Description

<b>Synonyms</b>	HTGN29;KCT2
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Met 1-Asp196
<b>Accession</b>	NP_064584.1
<b>Calculated Molecular Weight</b>	17.5 kDa
<b>Observed molecular weight</b>	33-47 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, 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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### 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.

### For Research Use Only

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.