

## Recombinant Human LRP12 Protein (His Tag)

**Catalog No.** PKSH032710

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

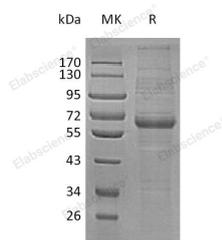
### Description

<b>Synonyms</b>	Low-Density Lipoprotein Receptor-Related Protein 12;LRP-12;Suppressor of Tumorigenicity 7 Protein;LRP12;ST7
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Asn28-Ile488
<b>Accession</b>	Q9Y561
<b>Calculated Molecular Weight</b>	52.5 kDa
<b>Observed molecular weight</b>	68 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 a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 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

Low-Density Lipoprotein Receptor-Related Protein 12 (LRP12) belongs to the LDLR family. LRP12 is a type I

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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.