

# Recombinant Human KARS Protein (His Tag)

RPES3912

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES3912

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Contents:** 50µg, 10µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** Subject to label value.

**Species:** Human

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Synonyms:** KARS, KIAA0070, LysRS,  
Lysine--tRNA Ligase, Lysyl-tRNA  
Synthetase

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.  
Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** C-His

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.

**Expression Host:** HEK293 Cells

**Bio-Activity:** Not validated for activity

**Calculated MW:** 69.1 kDa

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, 20% Glycerol, pH 8.0.

**Observed MW:** 70-90 kDa

**Reconstitution:** -

**Accession:** Q15046

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Source:** HEK293 Cells-derived Human KARS protein Ala2-Val597, with an C-terminal His

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

**Sequence:** Ala2-Val597

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

**Form:** Liquid