

Recombinant Mouse Klhl40 Protein, Myc/DDK-tagged

Cat. No. Klhl40-3719M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length kelch-like 40 (Klhl40), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex that acts as a key regulator of skeletal muscle development. The BCR(KLHL40) complex acts by mediating ubiquitination and degradation of TFDP1, thereby regulating the activity of the E2F:DP transcription factor complex. Promotes stabilization of LMOD3 by acting as a negative regulator of LMOD3 ubiquitination; the molecular process by which it negatively regulates ubiquitination of LMOD3 is however unclear.
Molecular Mass	70.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Klhl40 kelch-like 40 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Klhl40](#)

Synonyms Klhl40; kelch-like 40; Kbtbd5; 2310024D23Rik; kelch-like protein 40; kelch repeat and BTB (POZ) domain containing 5; kelch repeat and BTB domain-containing protein 5

Gene ID [72330](#)

mRNA Refseq [NM_028202](#)

Protein Refseq [NP_082478](#)

UniProt ID [Q9D783](#)

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