

Recombinant Rat Keap1 Protein, His-tagged

Cat. No. Keap1-1711R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Keap1 Protein (Met1-Gln286) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Gln286
Description	Predicted to enable disordered domain specific binding activity and identical protein binding activity. Involved in several processes, including regulation of gene expression; response to thyroid hormone; and selenium compound metabolic process. Located in several cellular components, including adherens junction; focal adhesion; and nucleus. Part of protein-containing complex. Biomarker of diabetic retinopathy; end stage renal disease; and ureteral obstruction. Human ortholog(s) of this gene implicated in gallbladder cancer. Orthologous to human KEAP1 (kelch like ECH associated protein 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.0 kDa Accurate Molecular Mass: 36 kDa
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Keap1 Kelch-like ECH-associated protein 1 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Keap1
Synonyms	KEAP1; Kelch-like ECH-associated protein 1; kelch-like ECH-associated protein 1; cytosolic inhibitor of Nrf2; Inrf2;
Gene ID	117519
mRNA Refseq	NM_057152
Protein Refseq	NP_476493

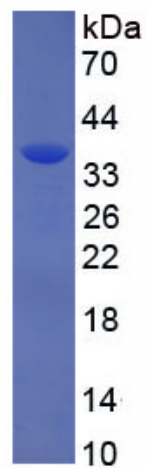
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UniProt ID

G3V8U2



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