Recombinant Human CUBN Protein, His-tagged

Cat. No. CUBN-641H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CUBN(Cys3157~Met3274) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Cys3157~Met3274
Description	Cubilin (CUBN) acts as a receptor for intrinsic factor-vitamin B12 complexes. The role of receptor is supported by the presence of 27 CUB domains. Cubulin is located within the epithelium of intestine and kidney. Mutations in CUBN may play a role in autosomal recessive megaloblastic anemia.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	14.4kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein

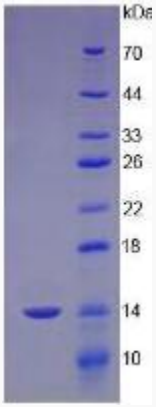
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. 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.
Reconstitution	Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	CUBN cubilin (intrinsic factor-cobalamin receptor) [Homo sapiens]
Official Symbol	CUBN
Synonyms	CUBN; cubilin (intrinsic factor-cobalamin receptor); MGA1; cubilin; gp280; IFCR; 460 kDa receptor; cubilin precursor variant 1; cubilin precursor variant 2; intrinsic factor B12-receptor; intrinsic factor-cobalamin receptor; intestinal intrinsic factor receptor; intrinsic factor-vitamin B12 receptor; FLJ90055; FLJ90747;
Gene ID	8029
mRNA Refseq	NM_001081
Protein Refseq	NP_001072
MIM	602997
UniProt ID	O60494

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