

Recombinant Human DOLK Protein

Cat. No. DOLK-2817H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DOLK full-length ORF (ADZ15912.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene catalyzes the CTP-mediated phosphorylation of dolichol, and is involved in the synthesis of Dol-P-Man, which is an essential glycosyl carrier lipid for C- and O-mannosylation, N- and O-linked glycosylation of proteins, and for the biosynthesis of glycosyl phosphatidylinositol anchors in endoplasmic reticulum. Mutations in this gene are associated with dolichol kinase deficiency.[provided by RefSeq, Apr 2010]
Form	Liquid
Molecular Mass	59.2 kDa
AA Sequence	MTRECPSPAPGPGAPLSGSVLAEAAVVFVAVLSIHATVWDYRYSWCAVALAVQAFYV QYKWDRLLQQGSAVFQFRMSANSGLLPASMVMPLLLGLVMKERCQTAGNPFFERF GIVVAATGMAVALFSSVLALGITRPVPTNTCVILGLAGGVIIYIMKHSLSVGEVIEVLEV LLIFVYLNMILLYLLPRCFTPGEALLVLGGISFVLNQLIKRSLTLVESQGDPVDFFLLVV VVGMVLMGIFSTLFVFMDSGTWASSIFFHLMTCVLSLGVVLPWLHRLIRRNPPLLWL LQFLFQTDTRIYLLAYWSLLATLACLVLVLYQNAKRSSSESKKHQAPTIARKYFHLIVVA TYIPGIIFDRPLLYVAATVCLAVFIFLEYVRYFRIKPLGHTLRSFSLSLFLDERDSGPLILT HIYLLLGMSLPIWLIPRPCTQKGS LGGARALVPYAGVLAVGVGDTVASIFGSTMGEIR

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	WPGTKKTFEGTMTSIFAQIISVALILIFDSGVDLNYSYAWILGSISTVSLLEAYTTQIDNL LLPLYLLILLMA
Applications	Antibody Production Functional Study Compound Screening
Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	25 mM Tris-HCl of pH 8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name	DOLK dolichol kinase [Homo sapiens]
Official Symbol	DOLK
Synonyms	DOLK; dolichol kinase; TMEM15, transmembrane protein 15; DK1; dolichol kinase 1; KIAA1094; SEC59 homolog; transmembrane protein 15; DK; CDG1M; SEC59; TMEM15;
Gene ID	22845
mRNA Refseq	NM_014908
Protein Refseq	NP_055723

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MIM	610746
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UniProt ID	Q9UPQ8
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