Recombinant Full Length Human DOLK Protein

Cat. No. DOLK-3947HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DOLK full-length ORF (ADZ15912.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	289 amino acids
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	MTRECPSPAPGPGAPLSGSVLAEAAVVFAVVLSIHATVWDRYSWCAVALAVQAFYV QYKWDRLLQQGSAVFQFRMSANSGLLPASMVMPLLGLVMKERCQTAGNPFFERF GIVVAATGMAVALFSSVLALGITRPVPTNTCVILGLAGGVIIYIMKHSLSVGEVIEVLEV LLIFVYLNMILLYLLPRCFTPGEALLVLGGISFVLNQLIKRSLTLVESQGDPVDFFLLVV VVGMVLMGIFFSTLFVFMDSGTWASSIFFHLMTCVLSLGVVLPWLHRLIRRNPLLWL LQFLFQTDTRIYLLAYWSLLATLACLVVLYQNAKRSSSESKKHQAPTIARKYFHLIVVA

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	TYIPGIIFDRPLLYVAATVCLAVFIFLEYVRYFRIKPLGHTLRSFLSLFLDERDSGPLILT HIYLLLGMSLPIWLIPRPCTQKGSLGGARALVPYAGVLAVGVGDTVASIFGSTMGEIR WPGTKKTFEGTMTSIFAQIISVALILIFDSGVDLNYSYAWILGSISTVSLLEAYTTQIDNL LLPLYLLILLMA
Applications	Antibody Production Functional Study Compound Screening
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
UniProt ID	Q9UPQ8

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