

Recombinant Human HELB Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HELB-527H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HELB MS Standard C13 and N15-labeled recombinant protein (NP_387467) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a DNA-dependent ATPase which catalyzes the unwinding of DNA necessary for DNA replication, repair, recombination, and transcription. This gene is thought to function specifically during the S phase entry of the cell cycle. Alternative splicing results in multiple transcript variants.
Molecular Mass	123.1 kDa
AA Sequence	MARSSPYLRQLQGPLLPPRDLVEEDDDYLNDDVEEDEESVFIDAEELCSGGVKAGS LPGCLRVSICDENTQETCKVFGFRFPITGAWWRVKVQVKPVVGSRSYQYQVQGFP YFLQSDMSPPNQKHICALFLKECEVSSDDVNKFLTWWKEVSNYKNLNFENLRETLRT FHKETGRKDQKQPTQNGQEELFLDNEMSLPLENTIPFRNVMTALQFPKIMEFLPVLL PRHFKWIIGSGSKEMLKEIEEILGTHPWKLGFSGKITYREWKLRLCEASWIAFCQCESL LQLMTDLEKNALIMYSRLKQICREDGHTYVEVNDLTLTLNHNMSFHAASESLKFLKDI GVVITYEKSCVFPYDLYHAERAIAFSICDLMKKPPWHLCVDVEKVLASIHTTKPENSSD DALNESKPDEVRLNPVDVVDVTQDNGDHIWTNGENEINAEISEVQLDQDQVEVPLD RDQVAALEMICSNPVTVISGKGCGKTTIVSRLFKHIEQLEEREVKKACEDFEQDQN

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ASEEWITFTEQSQLEADKAIEVLLTAPTGKAAGLLRQKTGLHAYTLCQVNYSFYSWT
 QTMMTTNKPWKFSSVRVLVDEGSLVSVGIFKSVLNLLCEHSKLSKLIILGDIRQLPSI
 EPGNLLKDLFETLKSRNCAIELKTNHRAESQLIVDNATRISRQFPKFDAELNISDNPT
 LPISIQDKTFIFVRLPEEDASSQSSKTNHHSCLYSAVKTLQENNLQNAKTSQFIAFR
 QDCDLINDCCCKHYTGHLTKDHQSRLVFGIGDKICCTRNAYLSDLLPENISGSQQNN
 DLDASSED FSGTLPDFAKNKRD FESNVRLCNGEIFFITNDVTDVTFGKRRSLTINNMA
 GLEVTVDFFKKLMKYCRIKHAWARTIHTFQGSEEQTVVYVVGKAGRQHWQHVYTA
 VT RGRRCRVYVIAEESQLRNAIMKNSFPRKTRLKHFLQSKLSSSGAPPADFLSPRKSSGD
 SGGPSIPSASPLPVVTDHAMTNDVTWSEASSPDERTLTFAERWQLSSPDGVD TDD
 DLPKSRASKRTCGVNDDESPSKIFMVGES PQVSSRLQNLRLNLI PRQLFKPTDNQE
 TTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name HELB DNA helicase B [Homo sapiens (human)]

Official Symbol HELB

Synonyms helicase (DNA) B; 17196; Ensembl:ENSG00000127311; DNA helicase B; helicase B; 3.6.4.12; hDHB

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Gene ID	92797
mRNA Refseq	NM_033647
Protein Refseq	NP_387467
MIM	614539
UniProt ID	Q8NG08
SDS-PAGE	