

Recombinant Full Length Human LRWD1 Protein, GST-tagged

Cat. No. LRWD1-6116HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LRWD1 full-length ORF (NP_690852.1, 1 a.a. - 647 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	647 amino acids
Description	The protein encoded by this gene interacts with components of the origin recognition complex (ORC) and regulates the formation of the prereplicative complex. The encoded protein stabilizes the ORC and therefore aids in DNA replication. This protein is required for the G1/S phase transition of the cell cycle. In addition, the encoded protein binds to trimethylated histone H3 in heterochromatin and recruits the ORC and lysine methyltransferases, which help maintain the repressive heterochromatic state. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]
Molecular Mass	97.3 kDa
AA Sequence	MGPLSARLLMQRGRPKSDRLGKIRSLDLSGLELLSEHLDPKLLCRLTQLQELDLSNN HLETLPDNLGLSHLRVLRCAANNQLGDVTALCQFPKLEELSLEGNPFLT VNDNLKVSF LLPTLRKVNGKDASSTYSQVENLNRELTSRVTAHWEEKFMATLGPEEEAEKAQADFV KSAVRDVRYGPESLSEFTQWRVRMISEELVAASRTQVQKANSPEKPPEAGAAHKP RARLAALKRPDDVPLSLSPSKRACASPSAQVEGSPVAGSDGSQPAVKLEPLHFLQC

 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

HSKNNSPQDLETQLWACAFEPAAWEEGATSQTVATCGGEAVCVIDCQTGIVLHKYKA
 PGEEFFSVAWTALMVVTQAGHKKRWSVLAAAGLRGLVRLHVRAGFCCGVIRAHK
 KAIATLCFSPAHEHLFTASYDKRIILWDIGVPNQDYEFQASQLLTDTTSIPLRLCPVA
 SCPDARLLAGCEGGCCCWDVRLDQPQKRRVCEVEFVFSEGSEASGRRVDGLAFV
 NEDIVASKGSGLTICLWSWRQTWGGRGSQSTVAVVVLARLQWSSTELAYFSLSA
 CPDKGIVLCGDEEGNVWLYDVSNIKQPPLLPAALQAPTQILKWPQPWALGQVVTKT
 MVNTVVANASFTYLTALTDSNIVAIWGRM

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

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

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[LRWD1 leucine-rich repeats and WD repeat domain containing 1 \[Homo sapiens \]](#)

Official Symbol

[LRWD1](#)

Synonyms

LRWD1; leucine-rich repeats and WD repeat domain containing 1; leucine-rich repeat
 and WD repeat-containing protein 1; CENP 33; centromere protein 33;
 DKFZp434K1815; ORCA; origin recognition complex associated; ORC-associated
 protein; origin recognition complex-associated protein; CENP-33;

Gene ID

[222229](#)

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mRNA Refseq	NM_152892
Protein Refseq	NP_690852
MIM	615167
UniProt ID	Q9UFC0

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