

Recombinant Human WDR43 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. WDR43-2101H Lot. No. (See product label)

SPECIFICATION

Product Overview	WDR43 MS Standard C13 and N15-labeled recombinant protein (NP_055946) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Ribosome biogenesis factor that coordinates hyperactive transcription and ribogenesis. Involved in nucleolar processing of pre-18S ribosomal RNA. Required for optimal pre-ribosomal RNA transcription by RNA polymerase I. Essential for stem cell pluripotency and embryonic development. In the nucleoplasm, recruited by promoter-associated/nascent transcripts and transcription to active promoters where it facilitates releases of elongation factor P-TEFb and paused RNA polymerase II to allow transcription elongation and maintain high-level expression of its targets genes.
Molecular Mass	74.7 kDa
AA Sequence	MAAGGGGSCDPLAPAGVPCAFSPHSQAYFALASTDGHLRVWETANNRLHQEYVPS AHLSGTCTCLAWAPARLQAKESPQRKKRKSEAVGMSNQTDLLALGTAVGSILLYST VKGELHSLKISGGHDNRVNCIQWHQDSGLYSCSDDKHIVEWNVQTCKVKCKWKG DNSSVSSLCISPDGKMLLSAGRTIKLWVLETKEVYRHFTGHATPVSSLMFTTIRPPNE SQPFDGITGLYFLSGAVHDRLLNVWQVRSENKEKSAVMSFTVTDEPVYIDLTLSENK EEPVKLAVVCRDGQVHLFEHILNGYCKKPLTSNCTIQIATPGKGKKSTPKPIPIAAGF

 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

CSDKMSLLLVYGSWFQPTIERVALNSREPHMCLVRDISNCWAPKVETAITKVRTPVM
 NSEAKVLVPGIPGHAAIKPAPPQTEQVESKRKSGGNEVSIEERLGAMDIDTHKKGK
 EDLQTNSFPVLLTQGLESNDFEMLNKVLQTRNVNLIKKTVLRMPLHTIIPLLQELTKRL
 QGHPNSAVLMVQWLKCVLTVHASYLSTLPDLVPQLGTLYQLMESRVKTFQKLSHLH
 GKILLITQVTASEKTKGATSPGQKAKLVYEEESSEESDDEIADKDSEDNWEDEEE
 ESESEKDEDVEEEDEDAEGKDEENGEDRDTASEKELNGDSDLDPENESEEEETRTR
 PLEQKLISEEDLAANDILDYKDDDDKV

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 WDR43 WD repeat domain 43 [Homo sapiens (human)]

Official Symbol WDR43

Synonyms WDR43; WD repeat domain 43; UTP5; NET12; WD repeat-containing protein 43; U3 small nucleolar RNA-associated protein 5 homolog; UTP5, small subunit (SSU) processome component, homolog

Gene ID 23160

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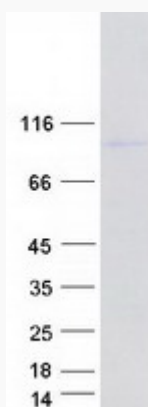
mRNA Refseq NM_015131

Protein Refseq NP_055946

MIM 616195

UniProt ID Q15061

SDS-PAGE



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