

## Recombinant Human WDR83 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. WDR83-5983H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | WDR83 MS Standard C13 and N15-labeled recombinant protein (NP_115708) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | This gene encodes a member of the WD-40 protein family. The protein is proposed to function as a molecular scaffold for various multimeric protein complexes. The protein associates with several components of the extracellular signal-regulated kinase (ERK) pathway, and promotes ERK activity in response to serum or other signals. The protein also interacts with egl nine homolog 3 (EGLN3, also known as PHD3) and regulates expression of hypoxia-inducible factor 1, and has been purified as part of the spliceosome. Alternative splicing results in multiple transcript variants. |
| <b>Molecular Mass</b>   | 34.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MAFPEPKPRPPELPQKRLKTLDCGQGAVRAVRFNVDGNYCLTCGSDKTLKLWNPL<br>RGTLRLTYSGHGYEVLDAAGSFDNSSLCSGGGDKAVVLWDVASGQVVRKFRGHA<br>GKVNTVQFNEEATVILSGSIDSSIRCWDCRSRRPEPVQTLDEARDGVSSVKVSDHEI<br>LAGSVDGRVRRYDLRMGQLFSDYVGSPITCTCFSRDGQCTLVSSLDSTLRLLDKDT<br>GELLGEYKGHKNQEYKLDCCLSERDTHVVSCESEDGKVFFWDLVEGALALALPVGS<br>GVVQSLAYHPTPECLLTAMGGSVQCWREEAYEAEDGAGTRTRPLEQKLISEEDLAA                                                                                                                                                                                                                               |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

NDILDYKDDDDKV

|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

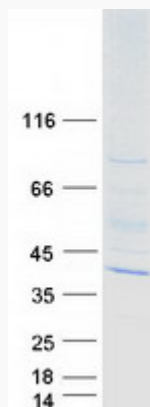
## GENE INFORMATION

|                        |                                                                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | WDR83 WD repeat domain 83 [ Homo sapiens (human) ]                                                                                        |
| <b>Official Symbol</b> | WDR83                                                                                                                                     |
| <b>Synonyms</b>        | WDR83; WD repeat domain 83; MORG1; WD repeat domain-containing protein 83; MAPK organizer 1; mitogen-activated protein kinase organizer 1 |
| <b>Gene ID</b>         | 84292                                                                                                                                     |
| <b>mRNA Refseq</b>     | NM_032332                                                                                                                                 |
| <b>Protein Refseq</b>  | NP_115708                                                                                                                                 |
| <b>MIM</b>             | 616850                                                                                                                                    |
| <b>UniProt ID</b>      | Q9BRX9                                                                                                                                    |

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**SDS-PAGE**

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