# Recombinant Human WDR83 Protein, GST-tagged

**Cat. No.** WDR83-5286H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human MGC4238 partial ORF ( NP_115708, 171 a.a. - 262 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Species** | Human |
| **Source** | Wheat Germ |
| **Description** | 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. [provided by RefSeq, Oct 2009] |
| **Molecular Mass** | 35.86 kDa |
| **AA Sequence** | VDGRVRRYDLRMGQLFSDYVGSPITCTCFSRDGQCTLVSSLDSTLRLLDKDTGELL GEYKGHKNQEYKLDCCLSERDTHVVSCSEDGKVFFW |
| **Applications** | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |

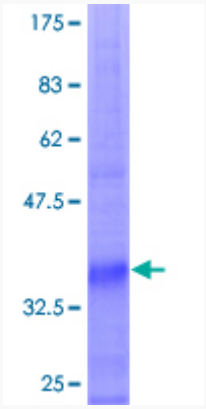
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| **Notes** | Best use within three months from the date of receipt of this protein. |
| **Storage** | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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| **Gene Name** | WDR83 WD repeat domain 83 [ Homo sapiens (human) ] |
| **Official Symbol** | WDR83 |
| **Synonyms** | WDR83; WD repeat domain 83; MORG1; WD repeat domain-containing protein 83; MAPK organizer 1; mitogen-activated protein kinase organizer 1 |
| **Gene ID** | 84292 |
| **mRNA Refseq** | NM_001099737 |
| **Protein Refseq** | NP_001093207 |
| **MIM** | 616850 |
| **UniProt ID** | Q9BRX9 |

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| **Quality Control Testing:** | <br>12.5% SDS-PAGE Stained with Coomassie Blue. |

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