WDR1 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	WDR1, Recombinant Protein
Full Product Name	Recombinant Human WDR1
Product Gene Name	WDR1 recombinant protein
Product Synonym Names	Actin interacting protein 1; AIP1; NORI 1; WD repeat containing protein 1; WD repeat domain 1; WDR1
Host	E Coli
Form/Format	Lyophilized from a 0.2um filtered solution in PBS with 5% trehalose and 0.06% proclin, pH7.4
Purity/Purification	Greater than 80% by SDS-PAGE gel analyses
Preparation and Storage	Store at -20 degree C for 12 months as lyophilized; 2-8 degree C for 1 month under sterile conditions after reconstitution
Molecular Weight	50,694 Da
Sequence Positions	433-606
OMIM	604734
3D Structure	ModBase 3D Structure for O75083
Species	Human
Tag	N-terminal His-IF2DI Tag
Reconstitution	Centrifuge the vial at 10,000rpm for 1 minute, reconstitute at 200ug/ml in sterile distilled water
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for WDR1 recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for WDR1 recombinant protein	MBS7614878 is a recombinant protein targeting WDR1. Also known as Recombinant Human WDR1. Host: E Coli.
Other Notes	Small volumes of WDR1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for WDR1. It may not necessarily be applicable to this product.

NCBI GI #	53729352
NCBI GeneID	9948
NCBI Accession #	NP_005103.2
UniProt Primary Accession #	O75083
UniProt Secondary Accession #	O75313; Q8N6E5; Q9UG05; Q9UG78; Q9UQE0; A8K6E9; A8MPU4
UniProt Related Accession #	O75083
GenBank Nucleotide #	NM_005112.4

NCBI Official Full Name	WD repeat-containing protein 1 isoform 2
NCBI Official Synonym Full Names	WD repeat domain 1
NCBI Official Symbol	WDR1
NCBI Official Synonym Symbols	AIP1; NORI-1; HEL-S-52
UniProt Protein Name	WD repeat-containing protein 1
UniProt Synonym Protein Names	Actin-interacting protein 1; AIP1; NORI-1
Protein Family	WD repeat-containing protein
UniProt Gene Name	WDR1
UniProt Synonym Gene Names	AIP1
UniProt Entry Name	WDR1_HUMAN
NCBI Protein Information	WD repeat-containing protein 1
NCBI Summary for WDR1	This gene encodes a protein containing 9 WD repeats. WD repeats are approximately 30- to 40-amino acid domains containing several conserved residues, mostly including a trp-asp at the C-terminal end. WD domains are involved in protein-protein interactions. The encoded protein may help induce the disassembly of actin filaments. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for WDR1	WDR1: a WD40 repeat cytoskeletal protein that induces disassembly of actin filaments in conjunction with ADF/cofilin family proteins. WD40 repeats are found in a number of eukaryotic proteins that coordinate multi-protein complex assemblies. WD40 proteins are implicated in many functions including adaptor/regulatory modules in signal transduction, pre-mRNA processing and cytoskeleton assembly. Three alternatively spliced human isoforms have been described. Protein type: Actin-binding Chromosomal Location of Human Ortholog: 4p16.1 Cellular Component: cytoplasm; cytosol; extracellular region Biological Process: platelet degranulation; sensory perception of sound
Research Articles on WDR1	**1.** Demonstrate a previously unanticipated role of Aip1 in regulating the structure and remodeling of intestinal epithelial junctions and early steps of epithelial morphogenesis.
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