

## Recombinant Human WDR45L, His-tagged

**Cat. No.** WDR45L-31542TH    **Lot. No.** (See product label)

### SPECIFICATION

|                           |                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant fragment, corresponding to amino acids 139-344 of Human WDR45L with N terminal His tag; 206 amino acids, 25kDa.                                                                                                                                                                                                                                  |
| <b>Species</b>            | Human                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>             | E.coli                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>      | 139-344 a.a.                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>        | This gene encodes a member of the WIPI or SVP1 family of WD40 repeat-containing proteins. The protein contains seven WD40 repeats that are thought to fold into a beta-propeller structure that mediates protein-protein interactions, and a conserved motif for interaction with phospholipids. The human genome contains several pseudogenes of this gene. |
| <b>Conjugation</b>        | HIS                                                                                                                                                                                                                                                                                                                                                          |
| <b>Tissue specificity</b> | Ubiquitously expressed. Highly expressed in heart, skeletal muscle and pancreas. Up-regulated in a variety of tumor tissues including ovarian and uterine cancers.                                                                                                                                                                                           |
| <b>Form</b>               | Lyophilised:Reconstitute with 104 µl aqua dest.                                                                                                                                                                                                                                                                                                              |
| <b>Storage buffer</b>     | Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5                                                                                                                                                                                                                                                |

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|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>                  | Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.                                                                                                                                            |
| <b>Sequences of amino acids</b> | YNPKGLCVLCPNSNNSLLAFPGTHTGHVQLVDLASTEKPP VDIPAHEGVLSCIALNL<br>QGTRIATASEKGTLIRIFDTS SGHLIQELRRGSQAANIYCINFNQDASLICVSSDHGTV<br>HI FAAEDPKRKNKQSSLASASFLPKYFSSKWSFSKFQVPSG SPCICAFGTEPNAVIAI<br>CADGSYYKFLFNPKGECIRDV YAQFLEMTDDKL |
| <b>Sequence Similarities</b>    | Belongs to the WD repeat SVP1 family.Contains 2 WD repeats.                                                                                                                                                                      |

## GENE INFORMATION

|                            |                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | WDR45L WDR45-like [ Homo sapiens ]                                                  |
| <b>Official Symbol</b>     | WDR45L                                                                              |
| <b>Synonyms</b>            | WDR45L; WDR45-like; WD repeat domain phosphoinositide-interacting protein 3; WIPI3; |
| <b>Gene ID</b>             | 56270                                                                               |
| <b>mRNA Refseq</b>         | NM_019613                                                                           |
| <b>Protein Refseq</b>      | NP_062559                                                                           |
| <b>MIM</b>                 | 609226                                                                              |
| <b>Uniprot ID</b>          | Q5MNZ6                                                                              |
| <b>Chromosome Location</b> | 17q25.3                                                                             |

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|                 |                                                |
|-----------------|------------------------------------------------|
| <b>Function</b> | phosphatidylinositol-3,5-bisphosphate binding; |
|-----------------|------------------------------------------------|

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