

# Recombinant Full Length Human DDHD2 Protein, GST-tagged

**Cat. No.** DDHD2-2447HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human DDHD2 full-length ORF ( NP_056029.1, 1 a.a. - 711 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 711 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | This gene encodes a phospholipase enzyme containing sterile-alpha-motif (SAM), WWE, and DDHD domains. This protein participates in membrane trafficking between the endoplasmic reticulum and the Golgi body. Mutations in this gene can cause autosomal recessive spastic paraplegia 54. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]                                                                                                                  |
| <b>Molecular Mass</b>   | 107.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MSSVQSQQEQLSQSDPSPSPNSCSSFELIDMDAGSLYEPVSPHWFYCKIIDSKETWI<br>PFNSEDSSQQLLEEAYSSGKGCNGRVVPTDGGRYDVHLGERMRYAVYWDELASEVR<br>RCTWFKYKGDKNKYVPYSESFSQVLEETYMLAVTLDEWKKKLESPNREIIILHNPKL<br>MVHYQPVAGSDDWGSTPTEQGRPRTVKRGVENISVDIHCGEPLQIDHLVFVVHGIG<br>PACDLRFRSIVQCVNDFRSVSLNLLQTHFKKAQENQQIGRVEFLPVNWHSPHSTG<br>VDVDLQRITLPSINRLRHFTNDTILDVFFYNSPTYCQTIVDTVASEMNRIYTLFLQRNP<br>DFKGGVSIAGHSLGSLILFDILTQKDSLGDIDSEKDSL NIVMDQGDPTPTLEEDLKKLQ<br>LSEFFDIFEKEKVDKEALALCTDRDLQEIGIPLGPRKKILNYFSTRKNSMGIKRPAPQP |

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ASGANIPKESEFCSSSNTRNGDYLDVGIGQVSVKYPRLIYKPEIFFAFGSPIGMFLTV  
RGLKRIDPNYRFPTCKGFFNIYHPFDPVAYRIEPMVVPGVFEFEPMLIPHHKGRKRMH  
LELREGLTRMSMDLKNLLGSLRMAWKSFTRAPYPALQASETPEETEAPESTSEK  
PSDVNTEETSVAVKEEVLPINVGMLNGGQRIDYVLQEKPIESFNEYLFALQSHLCYW  
ESEDTVLLVLKEIYQTQGIFLDQPLQ

**Applications**

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**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

**Gene Name**

DDHD2 DDHD domain containing 2 [ Homo sapiens ]

**Official Symbol**

DDHD2

**Synonyms**

DDHD2; DDHD domain containing 2; SAM, WWE and DDHD domain containing 1 , SAMWD1; phospholipase DDHD2; KIAA0725; PA-PLA1 like; DDHD domain-containing protein 2; SAM, WWE and DDHD domain containing 1; SAM, WWE and DDHD domain-containing protein 1; sec23p-interacting protein p125-like phosphatidic acid-preferring phospholipase A1; SAMWD1;

**Gene ID**

23259

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|                |                              |
|----------------|------------------------------|
| mRNA Refseq    | <a href="#">NM_001164232</a> |
| Protein Refseq | <a href="#">NP_001157704</a> |
| MIM            | <a href="#">615003</a>       |
| UniProt ID     | <a href="#">O94830</a>       |

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