# Recombinant Human DDHD2 Protein, GST-tagged

**Cat. No.** DDHD2-2439H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human DDHD2 full-length ORF ( NP_056029.1, 1 a.a. - 711 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Species** | Human |
| **Source** | Wheat Germ |
| **Description** | This gene encodes a phospholipase enzyme containing sterile-alpha-motif (SAM), WWE, and DDHD domains. This protein participates in membrane trafficking between the endoplastic 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] |
| **Molecular Mass** | 107.4 kDa |
| **AA Sequence** | MSSVQSQQEQLSQSDPSPSPNSCSSFELIDMDAGSLYEPVSPHWFYCKIIDSKETWI PFNSEDSQQLEEAYSSGKGCNGRVVPTDGGRYDVHLGERMRYAVYWDELASEVR RCTWFYKGDKDNKYVPYSESFSQVLEETYMLAVTLDEWKKKLESPNREIIILHNPKL MVHYQPVAGSDDWGSTPTEQGRPRTVKRGVENISVDIHCGEPLQIDHLVFVVHGIG PACDLRFRSIVQCVNDFRSVSLNLLQTHFKKAQENQQIGRVEFLPVNWHSPLHSTG VDVDLQRITLPSINRLRHFTNDTILDVFFYNSPTYCQTIVDTVASEMNRIYTLFLQRNP DFKGGVSIAGHSLGSLILFDILTNQKDSLGDIDSEKDSLNIVMDQGDTPTLEEDLKKLQ LSEFFDIFEKEKVDKEALALCTDRDLQEIGIPLGPRKKILNYFSTRKNSMGIKRPAPQP ASGANIPKESEFCSSSNTRNGDYLDVGIGQVSVKYPRLIYKPEIFFAFGSPIGMFLTV |

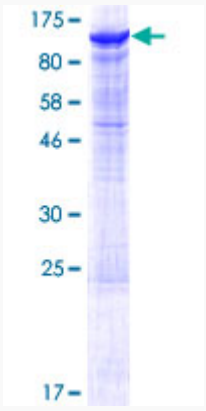
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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| | RGLKRIDPNYRFPTCKGFFNIYHPFDPVAYRIEPMVVPGVEFEPMLIPHHKGRKRMH LELREGLTRMSMDLKNNLLGSLRMAWKSFTRAPYPALQASETPEETEAEPESTSEK PSDVNTEETSVAVKEEVLPINVGMLNGGQRIDYVLQEKPIESFNEYLFALQSHLCYW ESEDTVLLVLKEIYQTQGIFLDQPLQ |
| **Applications** | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>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

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| **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 |
| **mRNA Refseq** | NM_001164232 |

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| **Protein Refseq** | NP_001157704 |
| **MIM** | 615003 |
| **UniProt ID** | O94830 |
| **Quality Control Testing:** | <br>12.5% SDS-PAGE Stained with Coomassie Blue. |

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