Datasheet for ABIN7553995

# GDPD2 Protein (AA 1-539) (His tag)

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## Overview

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| Quantity: | 1 mg |
| Target: | GDPD2 |
| Protein Characteristics: | AA 1-539 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This GDPD2 protein is labelled with His tag. |

## Product Details

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| Purpose: | Custom-made recombinant GDPD2 Protein expressed in mammalian cells. |
| Sequence: | MAESPGCCSV WARCLHCLYS CHWRKCPRER MQTSKCDCIW FGLLFLTFLL SLSWLYIGLV LLNDLHNFNE FLFRRWGHWM DWSLAFLLVI SLLVTYASLL LVLALLLRLC RQPLHLHSLH KVLLLLIMLL VAAGLVGLDI QWQQEWHSLR VSLQATAPFL HIGAAAGIAL LAWPVADTFY RIHRRGPKIL LLLLFFGVVL VIYLAPLCIS SPCIMEPRDL PPKPGLVGHR GAPMLAPENT LMSLRKTAEC GATVFETDVM VSSDGVPFLM HDEHLSRTTN VASVFPTRIT AHSSDFSWTE LKRLNAGSWF LERRPFWGAK PLAGPDQKEA ESQTVPALEE LLEEAAALNL SIMFDLRRPP QNHTYYDTFV IQTLETVLNA RVPQAMVFWL PDEDRANVQR RAPGMRQIYG RQGGNRTERP QFLNLPYQDL PLLDIKALHK DNVSVNLFVV NKPWLFSLLW CAGVDSVTTN DCQLLQQMRY PIWLITPQTY LIIWVITNCV STMLLLWTFL LQRRFVKKRG KTGLETAVLL TRINNFMME **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.** |

## Product Details

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| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer. |
| Characteristics: | Key Benefits:<br>• Made to order protein - from design to production - by highly experienced protein experts.<br>• Protein expressed in mammalian cells and purified in one-step affinity chromatography<br>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.<br>• State-of-the-art algorithm used for plasmid design (Gene synthesis).<br><br>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.<br><br>If you are not interested in a full length protein, please contact us for individual protein fragments.<br><br>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified. |
| Purity: | > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC) |
| Grade: | custom-made |

## Target Details

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| Target: | GDPD2 |
| Alternative Name: | GDPD2 (GDPD2 Products) |
| Background: | Glycerophosphoinositol inositolphosphodiesterase GDPD2 (EC 3.1.4.43) (Glycerophosphodiester phosphodiesterase 3) (Glycerophosphodiester phosphodiesterase domain-containing protein 2) (Osteoblast differentiation promoting factor),FUNCTION: Has glycerophosphoinositol inositolphosphodiesterase activity and specifically hydrolyzes glycerophosphoinositol, with no activity for other substrates such as glycerophosphoinositol 4-phosphate, glycerophosphocholine, glycerophosphoethanolamine, and glycerophosphoserine. Accelerates the program of osteoblast differentiation and growth. May play a role in remodeling of the actin cytoskeleton (By similarity). {ECO:0000250}. |
| Molecular Weight: | 61.7 kDa |
| UniProt: | Q9HCC8 |

## Application Details

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| Application Notes: | We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Buffer: | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. |
| Expiry Date: | 12 months |