

Datasheet for ABIN7561475
GDPD2 Protein (AA 1-539) (His tag)



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Overview

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

Product Details

Purpose:	Custom-made recombinant Gdpd2 Protein expressed in mammalian cells.
Sequence:	<p>MADSPGCCSI WARCLHCLYS CHWRKYPKQK MQTSKCDCIW FGLLFTFLL SLGWLYIGLI LLNDLHNFNE FLFRHWGHWM DWSLIVLLV SLLVTYASLL LLLGLLLQLC GQPLHLHSLH KVLLLLIVLL VAAGLVGLDI QWRQEWHSR LSLQATAPFL HIGAVAGITL LAWPVADTFY RIHPRGPKVL LLLLLFGVTL VIYLMPLLF SSPEIMKLRD LPPKPLVGH RGAPMLAPEN TLMSLRKTAE CGAAVFETDV MVSSDGVPLF MHDERLSRTT NVASVFPERI SAHSSDFSWA ELQRLNAGTW FLERQPFWGA KKLSGSDRKE AENQTIPALE ELLKEAAAALN LSIMFDLRRP PRNHTYYDTF VNQTLEAVLS ANVSQAMVLW LPDEDRAVQ QRAPRMRQIY GHQGGNWTER PQFLNLPYQD LPALDIKALH QDNISVNLV VNKPWLFSL WCAGVDSVTT NACQLLQQMQ NPLWLLPPQK YLMIWVITDC ASILLLSIF LLRGGCAKRN RTGLETAVLL TKINNFASE 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.</p>

Product Details

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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	GDPD2
Alternative Name:	Gdpd2 (GDPD2 Products)
Background:	<p>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. {ECO:0000269 PubMed:12933806, ECO:0000269 PubMed:19596859}.</p>
Molecular Weight:	61.2 kDa
UniProt:	Q9ESM6

Application Details

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

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