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Datasheet for ABIN7556527
PIM3 Protein (AA 1-326) (His tag)

Overview

Quantity:	1 mg
Target:	PIM3
Protein Characteristics:	AA 1-326
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PIM3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Pim3 Protein expressed in mammalien cells.
Sequence:	MLLSKFGSLA HLCGPGVDH LPVKILQPAK ADKESFEKVY QVGAVLGSGG FGTVYAGSRI ADGLPVAVKH VVKERVTEWG SLGGVAVPLE VLLRKVGAA GGARGVIRLL DWFERPDGFL LVLERPEPAQ DLDFDITERG ALDEPLARRF FAQVLA AVRH CHNCGVVHRD IKDENLLVDL RSGELKLIDF GSGAVLKDTV YTDFDGTRVY SPPEWIRYHR YHGRSATVWS LGVLLYDMVC GDIPFEQDEE ILRGRLFFRR RVSPECQQLI EWCLSLRPSE RPSLDQIAAH PWMLGTEGSV PENCDLRLCA LDTDDGASTT SSS ESL 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.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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, Western Blot
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Grade:	custom-made
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Target Details

Target:	PIM3
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Alternative Name:	Pim3 (PIM3 Products)
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Background:	Serine/threonine-protein kinase pim-3 (EC 2.7.11.1),FUNCTION: Proto-oncogene with serine/threonine kinase activity that can prevent apoptosis and promote cell survival and protein translation. May contribute to tumorigenesis through: the delivery of survival signaling through phosphorylation of BAD which induces release of the anti-apoptotic protein Bcl-X(L), the regulation of cell cycle progression and protein synthesis and by regulation of MYC transcriptional activity. Additionally to this role on tumorigenesis, can also negatively regulate insulin secretion by inhibiting the activation of MAPK1/3 (ERK1/2), through SOCS6. Involved also in the control of energy metabolism and regulation of AMPK activity in modulating MYC and PPARGC1A protein levels and cell growth. {ECO:0000269 PubMed:15199164, ECO:0000269 PubMed:21099329, ECO:0000269 PubMed:21187426}.
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Molecular Weight:	36.0 kDa
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UniProt:	P58750
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Pathways:	Negative Regulation of Hormone Secretion
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Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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
