Datasheet for ABIN7564296

DPP8 Protein (AA 1-892) (His tag)

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Overview

Quantity:	1 mg
Target:	DPP8
Protein Characteristics:	AA 1-892
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DPP8 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Dpp8 Protein expressed in mammalien cells.
Sequence:	MKIPSGRCNM AAAMETEQLG VEIFETAECE EGNGESQDRP KLEPFYVERY SWSQLKKLLA DTRKYHGYMM AKAPHDFMFV KRTDPDGPHS DRVYYLAMSG ENRENTLFYS EIPKTINRAA VLMLSWKPLL DLFQATLDYG MYSREEELLR ERKRIGTVGI AAYDYHPGSG TFLFQAGSGI YHIKDGGPHG FTQQPLRPNL VETSCPNIRM DPKLCPADPD WIAFIHSNDI WISNLVTREE RRITYVHNEL ANMEEDPRSA GVATFVLQEE FDRYSGYWWC PQAERTPSGG KILRILYEEN DESEVEIIHV TSPMLETRRA DSFRYPKTGT ANPKVTFKMS EIVVDAAGGI IDVIDKELVQ PFEILFEGVE YIARAGWTPE GKHAWSILLD RSQTHLQIVL ISPELFIPVE DDAMDRQRLI ESVPDSVTPL IIYEETTDIW INIHDIFHVF PQTHEDEIEF IFASECKTGF RHLYKITSIL KESKYKRSSG GLPAPSDFKC PIKEEITITS GEWEVLGRHG SNIWVDEARK LVYFEGTKDS PLEHHLYVTS YANPGEVVRL TDRGYSHSCC LSRHCDFFIS KYSNQKNPHC VSLYKLSSPE DDPVHKTKEF WATILDSAGP LPDYTPPEIF SFESTTGFTL YGMLYKPHDL QPGKKYPTVL FIYGGPQVQL

Product Details

	VNNRFKGVKY FRLNTLASLG YVVVVIDNRG SCHRGLKFEG AFKYKMGQIE IDDQVEGLQY LASQYDFIDL DRVGIHGWSY GGYLSLMALM QRSDIFRVAI AGAPVTLWIF YDTGYTERYM GHPDQNEQGY YLGSVAMQAE KFPSEPNRLL LLHGFLDENV HFAHTSILLS FLVRAGKPYD LQIYPQERHS IRVPESGEHY ELHLLHYLQE NLGSRIAALK VI **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: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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
Grade:	custom-made

Target Details

Target:	DPP8
Alternative Name:	Dpp8 (DPP8 Products)
Background:	Dipeptidyl peptidase 8 (DP8) (EC 3.4.14.5) (Dipeptidyl peptidase VIII) (DPP VIII),FUNCTION: Dipeptidyl peptidase that cleaves off N-terminal dipeptides from proteins having a Pro or Ala residue at position 2 (By similarity). Acts as a key inhibitor of caspase-1-dependent monocyte and macrophage pyroptosis in resting cells by preventing activation of NLRP1 and CARD8 (PubMed:27820798, PubMed:29396289). Sequesters the cleaved C-terminal part of NLRP1 and CARD8, which respectively constitute the active part of the NLRP1 and CARD8 inflammasomes,

Target Details

	in a ternary complex, thereby preventing their oligomerization and activation (By similarity). The dipeptidyl peptidase activity is required to suppress NLRP1 and CARD8, however, neither NLRP1 nor CARD8 are bona fide substrates of DPP8, suggesting the existence of substrate(s) required for NLRP1 and CARD8 inhibition (By similarity). {ECO:0000250|UniProtKB:Q6V1X1, ECO:0000250|UniProtKB:Q86TI2, ECO:0000269|PubMed:27820798, ECO:0000269|PubMed:29396289}.
Molecular Weight:	102.2 kDa
UniProt:	Q80YA7

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

