

Datasheet for ABIN7563663
GSAP Protein (AA 1-858) (His tag)



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Overview

Quantity:	1 mg
Target:	GSAP (PION)
Protein Characteristics:	AA 1-858
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GSAP protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Gsap Protein expressed in mammalien cells.
Sequence:	<p>MALRLVTHFD VLEDVLPSSL TQAATTDEGD RAGVLETTYG SLRVLNIERN GNIIYTYKDN</p> <p>KGNAVFGLYD CQTRQNEHLY TFEKDMQAVS CSVNSERTVL AASFIQYTTE GVKNDLQPGS</p> <p>KCLTLLVEIH PVNNVKVLKA VDSCVWVQFL YPQAESHLLP QNHLLLISEE KYIERFHIQI</p> <p>TREDGDRVVI RNSSHLPRDR LAEDFVWAQW DLSEQRLYYI ELKESRSILK CIQFRADESF</p> <p>NLMFEMPLDI TLTGLRFKLV NFGYDYRQDR EKLCNQPSLC IFTNHTGSLC MCYSPKSDSR</p> <p>EEITYSVFYL HGYRKIFTA APGSADSQVT NGADSQVTDG IAFNLGYFV AVYSPGHFLH</p> <p>LLNIQHPDLV CHSLFLTGNN KIAAVLPPSP LQSLPGSLVL DCYSGKVYRV TLDQSYLLRF</p> <p>LWNAHLDCER MAALHCILSC SQDPGFPEEQ IIQWISEHVS ACHSFDLIQE FLIASSYWSV</p> <p>YAELEDDMGML LQYSSVLTDN TEIPGIKFTT EELPLPLMKV YGLKGYWAKL NSNLEYIKYT</p> <p>KPHLHYHNSV VRREWHNLIS EERTGKRRST MYVRNILENA MKVIASMETR TLEPRILPFL</p> <p>QEEDRHQRLM MGLMVSELRD HLLRHLQGVK KKKIEQMVLD YISKLLDLIW CLETSWRKH</p>

Product Details

SMHPLVLHLN SHCSAADFEV FHLMTRILDA ASSLCLPLPP GFHSLHTILG VHCLPLYSL
HYIDNGVLLL TETAVTRLMK DLDNSEKNEQ LKFSIIVRLP PLIGQKVCRL WDHPMSSNII
SRNHVARLLK NYRKEPRNSM IDKSSFPVEF LPLNYFIEIL MGLESSNQAL YGFEGHDNVD
AEFVEEAALK HTTMLLGL **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:	<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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	GSAP (PION)
Alternative Name:	Gsap (PION Products)
Background:	Gamma-secretase-activating protein (GSAP) (Protein pigeon homolog) [Cleaved into: Gamma-secretase-activating protein 16 kDa C-terminal form (GSAP-16K)],FUNCTION: Regulator of gamma-secretase activity, which specifically activates the production of amyloid-beta protein (amyloid-beta protein 40 and amyloid-beta protein 42), without affecting the cleavage of other gamma-secretase targets such as Notch. The gamma-secretase complex is an endoprotease complex that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and APP (amyloid-beta precursor protein). Specifically promotes the gamma-

Target Details

	cleavage of APP CTF-alpha (also named APP-CTF) by the gamma-secretase complex to generate amyloid-beta, while it reduces the epsilon-cleavage of APP CTF-alpha, leading to a low production of AICD. {ECO:0000269 PubMed:20811458}.
Molecular Weight:	98.7 kDa
UniProt:	Q3TCV3

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