Datasheet for ABIN7555668

SUZ12 Protein (AA 1-739) (His tag)

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Overview

Quantity:	1 mg
Target:	SUZ12
Protein Characteristics:	AA 1-739
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SUZ12 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SUZ12 Protein expressed in mammalian cells.
Sequence:	MAPQKHGGGG GGGSGPSAGS GGGGFGGSAA VAAATASGGK SGGGSCGGGG SYSASSSSSA AAAAGAAVLP VKKPKMEHVQ ADHELFLQAF EKPTQIYRFL RTRNLIAPIF LHRTLTYMSH RNSRTNIKRK TFKVDDMLSK VEKMKGEQES HSLSAHLQLT FTGFFHKNDK PSPNSENEQN SVTLEVLLVK VCHKKRKDVS CPIRQVPTGK KQVPLNPDLN QTKPGNFPSL AVSSNEFEPS NSHMVKSYSL LFRVTRPGRR EFNGMINGET NENIDVNEEL PARRKRNRED GEKTFVAQMT VFDKNRRLQL LDGEYEVAMQ EMEECPISKK RATWETILDG KRLPPFETFS QGPTLQFTLR WTGETNDKST APIAKPLATR NSESLHQENK PGSVKPTQTI AVKESLTTDL QTRKEKDTPN ENRQKLRIFY QFLYNNNTRQ QTEARDDLHC PWCTLNCRKL YSLLKHLKLC HSRFIFNYVY HPKGARIDVS INECYDGSYA GNPQDIHRQP GFAFSRNGPV KRTPITHILV CRPKRTKASM SEFLESEDGE VEQQRTYSSG HNRLYFHSDT CLPLRPQEME VDSEDEKDPE WLREKTITQI EEFSDVNEGE KEVMKLWNLH VMKHGFIADN QMNHACMLFV ENYGQKIIKK NLCRNFMLHL VSMHDFNLIS IMSIDKAVTK LREMQQKLEK GESASPANEE ITEEQNGTAN GFSEINSKEK

Product Details

	ALETDSVSGV SKQSKKQKL **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.**
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: • 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). 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	SUZ12
Alternative Name:	SUZ12 (SUZ12 Products)
Background:	Polycomb protein SUZ12 (Chromatin precipitated E2F target 9 protein) (ChET 9 protein) (Joined to JAZF1 protein) (Suppressor of zeste 12 protein homolog),FUNCTION: Polycomb group (PcG) protein. Component of the PRC2 complex, which methylates 'Lys-9' (H3K9me) and 'Lys-27' (H3K27me) of histone H3, leading to transcriptional repression of the affected target gene (PubMed:15225548, PubMed:15231737, PubMed:15385962, PubMed:16618801, PubMed:17344414, PubMed:18285464, PubMed:28229514, PubMed:29499137, PubMed:31959557). The PRC2 complex may also serve as a recruiting platform for DNA methyltransferases, thereby linking two epigenetic repression systems (PubMed:12435631,

Target Details

	PubMed:12351676, PubMed:15385962, PubMed:15099518, PubMed:15225548, PubMed:15684044, PubMed:16431907, PubMed:18086877, PubMed:18285464). Genes repressed by the PRC2 complex include HOXC8, HOXA9, MYT1 and CDKN2A (PubMed:15231737, PubMed:16618801, PubMed:17200670, PubMed:31959557). {ECO:0000269|PubMed:12351676, ECO:0000269|PubMed:12435631, ECO:0000269|PubMed:15099518, ECO:0000269|PubMed:15225548, ECO:0000269|PubMed:15231737, ECO:0000269|PubMed:15385962, ECO:0000269|PubMed:15684044, ECO:0000269|PubMed:16431907, ECO:0000269|PubMed:16618801, ECO:0000269|PubMed:17200670, ECO:0000269|PubMed:17344414, ECO:0000269|PubMed:18086877, ECO:0000269|PubMed:18285464, ECO:0000269|PubMed:28229514, ECO:0000269|PubMed:29499137, ECO:0000269|PubMed:31959557}.
Molecular Weight:	83.1 kDa
UniProt:	Q15022

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