Datasheet for ABIN7565105

DDX20 Protein (AA 1-825) (His tag)

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Overview

Quantity:	1 mg
Target:	DDX20
Protein Characteristics:	AA 1-825
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DDX20 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Ddx20 Protein expressed in mammalien cells.
Sequence:	MAAAAFEVPA ALTTSESTMA AERAAAPVQA VEPTPASPWT QRTAHDIGGP RTRTGDVVLA EPADFESLLL SRPVLEGLRA AGFERPSPVQ LKAIPLGRCG LDLIVQAKSG TGKTCVFSTI ALDSLILENY STQILILAPT REIAVQIHSV ITAIGIKMEG LECHVFIGGT PLSQDKTRLK KCHIAVGSPG RIKQLIELDY LNPGSIRLFI LDEADKLLEE GSFQEQINWI YSSLPASKQM LAVSATYPEV LANALTRYMR DPTFVRLNPS DPSLIGLKQY YQVVNSYPLA HKIFEEKTQH LQELFSKVPF NQALVFSNLH SRAQHLADIL SSKGFPTECI SGNMNQNQRL DAMAKLKQFH CRVLISTDLT SRGIDAEKVN LVVNLDVPLD WETYMHRIGR AGRFGTLGLT VTYCCRGEEE NMMMKIAQKC NINLLPLPDP IPPGLMEECL NWDVEVKAAM HTYSSPTVAT QSPKKQVQKL ERAFQSQRTP GNQTPSPRNT SASALSARPK HSKPKLPVKS HSECGVLEKA APPQESGCPA QLEEQVKNSV QTSVEDSSSN SQHQAKDSSP GSLPKIPCLS SFKVHQPSTL TFAELVDDYE HYIKEGLEKP VEIIRHYTGP EAQTGNPQNG FVRNRVSEDR AQMLVSSSQS GDSESDSDSC SSRTSSQSKG

Product Details

	NKSYLEGSSD TQLKDTECTP VGGPLSLEQV QNGNDTPTQV EYQEAPETQV KARHKEGANQ RSKQSRRNPA RRSSYRVQSE PQEESWYDCH RETTASFSDT YQDYEEYWRA YYRAWQEYYA AASHSYYWNA QRHPSWMAAY HMNTVYLQEM MRGNQ **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:	DDX20
Alternative Name:	Ddx20 (DDX20 Products)
Background:	Probable ATP-dependent RNA helicase DDX20 (EC 3.6.1.15) (EC 3.6.4.13) (Component of gems 3) (DEAD box protein 20) (DEAD box protein DP 103) (Gemin-3) (Regulator of steroidogenic factor 1) (ROSF-1),FUNCTION: The SMN complex catalyzes the assembly of small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome, and thereby plays an important role in the splicing of cellular pre-mRNAs. Most spliceosomal snRNPs contain a common set of Sm proteins SNRPB, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF and SNRPG that assemble in a heptameric protein ring on the Sm site of the small nuclear RNA to form the

Target Details

	core snRNP (Sm core). In the cytosol, the Sm proteins SNRPD1, SNRPD2, SNRPE, SNRPF and SNRPG are trapped in an inactive 6S pICln-Sm complex by the chaperone CLNS1A that controls the assembly of the core snRNP. To assemble core snRNPs, the SMN complex accepts the trapped 5Sm proteins from CLNS1A forming an intermediate. Binding of snRNA inside 5Sm triggers eviction of the SMN complex, thereby allowing binding of SNRPD3 and SNRPB to complete assembly of the core snRNP. May also play a role in the metabolism of small nucleolar ribonucleoprotein (snoRNPs) (By similarity). {ECO:0000250|UniProtKB:Q9UHI6}.
Molecular Weight:	91.7 kDa
UniProt:	Q9JJY4
Pathways:	Ribonucleoprotein Complex Subunit Organization

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

