

Recombinant Human Dicer protein (His tag) ab271487

画像数 1

製品の詳細

製品名	Recombinant Human Dicer protein (His tag)
精製度	>= 54 % SDS-PAGE. Affinity purified.
発現系	Baculovirus infected Sf9 cells
アクセッション番号	<u>Q9UPY3</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	MGSSHHHHHSSGETVRFQGHMKSPALQPLSMAGLQLMTPAS SPMGPFPG LPWQQEAIHDNIYTPRKYQVELLEAALDHNTIVCLNTGSGKT FIAVLLTK ELSYQIRGDFSRNGKRTVFLVNSANQVAQQVSAVRTHSDLKV GEYSNLEV NASWTKERWNQEFTKHQVLMTCYVALNVLKNGYLSLSDINL LVFDECHL AILDHPYREIMKLCENCPCPRILGLTASILNGKCDPEELEE KIQKLEKI LKSNAETATDLVVLDRYTSQPCEIVVDCGPFTDRSGLYERLL MELEEALN FINDCNISVHSKERDSTLISKQILSDCRAVLVVLGPWCADKV AGMMVREL QKYIKHEQEELHRKFLLFTDTFLRKIHALCEEHFSPASLDLK FVTPKVIK LLEILRKYKPYERQQFESVEWYNNRNQDNYVSWSDSEDDDED EEIEEKEK PETNFPSPFTNILCGIIFVERRYTAVVLNRLIKEAGKQDPEL AYISSNFI TGHGIGKNQPRNKQMEAEFRKQEEVLRKFRAHETNLLIATSI VEEGVDIP KCNLVVRFDLPTHEYRSYVQSKGRARAPISNYIMLADTDKIKS FEEDLKTY KAIEKILRNKCSKSVDTGETDIDPVMDDDDVFPYVLRPDDG

GPRVTINT
AIGHINRYCARLPSDPFTHLAPKCRRELPGDTFYSTLYLPI
NSPLRASI
VGPPMSCVRLAERVVALICCEKHLKIGELDDHLMVPGKTVK
YEEEDLH
DEEETSVPGRPGSTKRRQCYPKAIPECLRDSYPRPDQPCYLY
VIGMLTT
PLPDELNFRRRKLYPPEDTTRCFGILTAKPIPQIPHFPVYTR
SGEVTISI
ELKKSGFMLSQMLELITRLHQYIFSHILRLEKPALEFKPTD
ADSAYCVL
PLNVVNDSSLDIDFKFMEDIEKSEARIGIPSTKYTKETPFV
FKLEDYQD
AVIIPRYRNFDPHRFYVADVYDPLTSLKFPSPYEYFAEY
YKTKYNLD
LTNLNQPLLDVDHTSSRLNLLTPRHLNQKGGKALPLSSAEKRK
AKWESLQN
KQILVPELCAIHPASLWRKAVCLPSILYRLHCLLTAEELR
AQTASDAG
VGVRSLPADFRYPNLDGFWKKSIDSKSFISISNSSSAENDNY
CKHSTIVP
ENAAHQGANRTSSLENHDQMSVNCRTLLSESPGKLHVEVSAD
LTAINGLS
YNQNLANGSYDLANRDFCQGNQLNYYKQEIPVQPTTSYSIQN
LYSYENQP
QPSDECTLLSNKYLDGNANKSTSDGSPVMAVMPGTTDTIQVL
KGRMDSEQ
SPSIGYSSRTLGPNPGLILQALTLASNADGFNLERLEMLGDS
FLKHAITT
YLFACTYPAHEGRLSYMRSKKVSNCNLRYLGKKKGLPSRMV
SIFDPPVN
WLPPGYVVNQDKSNTDKWEKDEMTCDCMLANGKLEDEYEEED
EEEEELMW
RAPKEEADYEDDFLEYDQEHIRFIDNMLMGSGAFVKKISLSP
FSTTDSAY
EWKMPKSSSLGSMFSSDFEDFDYSSWDAMCYLDPSKAVEED
DFVVGFVN
PSEENCGVDTGKQISYDLHTEQCIADKSIADCVEALLGCYL
TSCGERAA
QLFLCSSLGLKVLPIKRTDREKALCPTRENFNSQKNLSVSC
AAASVASS
RSSVLKDSEYGCLKIPPRCMFDHPDADKTLNHLISGFENFEK
KINYRFKN
KAYLLQAFTHASYHYNTITDCYQRLEFLGDAILDYLYLITKHL
EDPRQHSP
GVLTDLRSALVNNTIFASLAVKYDYHKYFKAVSPELFHVIDD
FVQFQLEK
NEMQGMDELRRSEEDKEEDIEVPKAMGDI FESLAGAIYM
DSGMSLET
VWQVYYPMMRPLIEKFSANVPRSPVRELLEMEPETAKFSPA
RTYDGVKVR
VTVEVVGKGFVGRSYRIAKSAAARRALRSLKANQPQVPN

予測される分子量	221 kDa
領域	1 to 1922
タグ	His tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab271487** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	SDS-PAGE
製品の状態	Liquid

前処理および保存

保存方法および安定性	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Preservative: 1.7% Imidazole Constituents: 0.63% Tris HCl, 0.64% Sodium chloride, 0.02% Potassium chloride, 0.04% Tween, 20% Glycerol (glycerin, glycerine)
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関連情報

機能	Double-stranded RNA (dsRNA) endoribonuclease playing a central role in short dsRNA-mediated post-transcriptional gene silencing. Cleaves naturally occurring long dsRNAs and short hairpin pre-microRNAs (miRNA) into fragments of twenty-one to twenty-three nucleotides with 3' overhang of two nucleotides, producing respectively short interfering RNAs (siRNA) and mature microRNAs. siRNAs and miRNAs serve as guide to direct the RNA-induced silencing complex (RISC) to complementary RNAs to degrade them or prevent their translation. Gene silencing mediated by siRNAs, also called RNA interference, controls the elimination of transcripts from mobile and repetitive DNA elements of the genome but also the degradation of exogenous RNA of viral origin for instance. The miRNA pathway on the other side is a mean to specifically regulate the expression of target genes.
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関連疾患	Pleuropulmonary blastoma Goiter multinodular 1, with or without Sertoli-Leydig cell tumors Rhabdomyosarcoma, embryonal, 2 DICER1 mutations have been found in uterine cervix embryonal rhabdomyosarcoma, primitive neuroectodermal tumor, Wilms tumor, pulmonary sequestration and juvenile intestinal polyp (PubMed:21882293). Somatic missense mutations affecting the RNase IIIb domain of DICER1 are common in non-epithelial ovarian tumors. These mutations do not abolish DICER1 function but alter it in specific cell types, a novel mechanism through which perturbation of microRNA processing may be oncogenic (PubMed:22187960).
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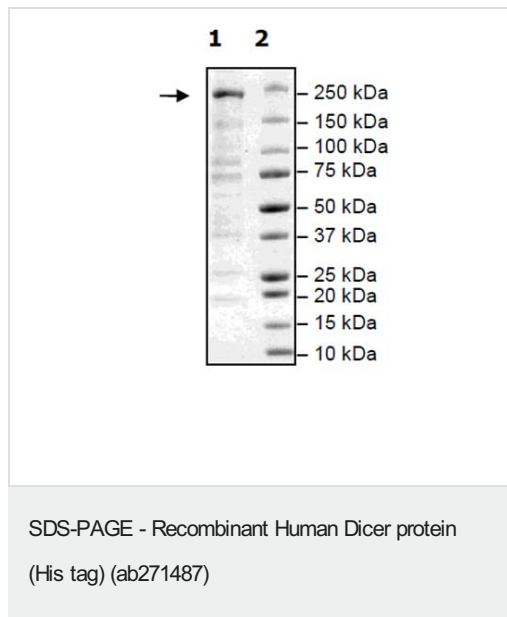
配列類似性	Belongs to the helicase family. Dicer subfamily. Contains 1 Dicer dsRNA-binding fold domain. Contains 1 DRBM (double-stranded RNA-binding) domain. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain. Contains 1 PAZ domain.
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Contains 2 RNase III domains.

細胞内局在

Cytoplasm.

画像



SDS-PAGE analysis of ab271487.

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