Datasheet for ABIN7553276

CECR2 Protein (AA 1-1484) (His tag)

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Overview

Quantity:	1 mg
Target:	CECR2
Protein Characteristics:	AA 1-1484
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CECR2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CECR2 Protein expressed in mammalian cells.
Sequence:	MCPEEGGAAG LGELRSWWEV PAIAHFCSLF RTAFRLPDFE IEELEAALHR DDVEFISDLI ACLLQGCYQR RDITPQTFHS YLEDIINYRW ELEEGKPNPL REASFQDLPL RTRVEILHRL CDYRLDADDV FDLLKGLDAD SLRVEPLGED NSGALYWYFY GTRMYKEDPV QGKSNGELSL SRESEGQKNV SSIPGKTGKR RGRPPKRKKL QEEILLSEKQ EENSLASEPQ TRHGSQGPGQ GTWWLLCQTE EEWRQVTESF RERTSLRERQ LYKLLSEDFL PEICNMIAQK GKRPQRTKAE LHPRWMSDHL SIKPVKQEET PVLTRIEKQK RKEEEEERQI LLAVQKKEQE QMLKEERKRE LEEKVKAVEG MCSVRVVWRG ACLSTSRPVD RAKRRKLREE RAWLLAQGKE LPPELSHLDP NSPMREEKKT KDLFELDDDF TAMYKVLDVV KAHKDSWPFL EPVDESYAPN YYQIIKAPMD ISSMEKKLNG GLYCTKEEFV NDMKTMFRNC RKYNGESSEY TKMSDNLERC FHRAMMKHFP GEDGDTDEEF WIREDEKREK RRSRAGRSGG SHVWTRSRDP EGSSRKQQPM ENGGKSLPPT RRAPSSGDDQ SSSSTQPPRE VGTSNGRGFS HPLHCGGTPS QAPFLNQMRP AVPGTFGPLR GSDPATLYGS SGVPEPHPGE PVQQRQPFTM QPPVGINSLR GPRLGTPEEK QMCGGLTHLS

	NMGPHPGSLQ LGQISGPSQD GSMYAPAQFQ PGFIPPRHGG APARPPDFPE SSEIPPSHMY RSYKYLNRVH SAVWNGNHGA TNQGPLGPDE KPHLGPGPSH QPRTLGHVMD SRVMRPPVPP NQWTEQSGFL PHGVPSSGYM RPPCKSAGHR LQPPPVPAPS SLFGAPAQAL RGVQGGDSMM DSPEMIAMQQ LSSRVCPPGV PYHPHQPAHP RLPGPFPQVA HPMSVTVSAP KPALGNPGRA PENSEAQEPE NDQAEPLPGL EEKPPGVGTS EGVYLTQLPH PTPPLQTDCT RQSSPQERET VGPELKSSSS ESADNCKAMK GKNPWPSDSS YPGPAAQGCV RDLSTVADRG ALSENGVIGE ASPCGSEGKG LGSSGSEKLL CPRGRTLQET MPCTGQNAAT PPSTDPGLTG GTVSQFPPLY MPGLEYPNSA AHYHISPGLQ GVGPVMGGKS PASHPQHFPP RGFQSNHPHS GGFPRYRPPQ GMRYSYHPPP QPSYHHYQRT PYYACPQSFS DWQRPLHPQG SPSGPPASQP PPPRSLFSDK NAMASLQGCE TLNAALTSPT RMDAVAAKVP NDGQNPGPEE EKLDESMERP ESPKEFLDLD NHNAATKRQS SLSASEYLYG TPPPLSSGMG FGSSAFPPHS VMLQTGPPYT PQRPASHFQP RAYSSPVAAL PPHHPGATQP NGLSQEGPIY RCQEEGLGHF QAVMMEQIGT RSGIRGPFQE MYRPSGMQMH PVQSQASFPK TPTAATSQEE VPPHKPPTLP LDQS **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:	CECR2
Alternative Name:	CECR2 (CECR2 Products)
Background:	Chromatin remodeling regulator CECR2 (Cat eye syndrome critical region protein 2),FUNCTION: Regulatory subunit of the ATP-dependent CERF-1 and CERF-5 ISWI chromatin remodeling complexes, which form ordered nucleosome arrays on chromatin and facilitate access to DNA during DNA-templated processes such as DNA replication, transcription, and repair (PubMed:15640247, PubMed:26365797, PubMed:28801535, PubMed:22464331). The complexes do not have the ability to slide mononucleosomes to the center of a DNA template (PubMed:28801535). The CERF-1 ISWI chromatin remodeling complex has a lower ATP hydrolysis rate than the CERF-5 ISWI chromatin remodeling complex (PubMed:28801535). Plays a role in various processes during development: required during embryogenesis for neural tube closure and inner ear development. In adults, required for spermatogenesis, via the formation of ISWI-type chromatin complexes (By similarity). In histone-modifying complexes, CECR2 recognizes and binds acylated histones: binds histones that are acetylated and/or butyrylated (PubMed:26365797, PubMed:22464331). May also be involved through its interaction with LRPPRC in the integration of cytoskeletal network with vesicular trafficking, nucleocytosolic shuttling, transcription, chromosome remodeling and cytokinesis (PubMed:11827465). {ECO:0000250|UniProtKB:E9Q2Z1, ECO:0000269|PubMed:11827465, ECO:0000269|PubMed:15640247, ECO:0000269|PubMed:22464331, ECO:0000269|PubMed:26365797, ECO:0000269|PubMed:28801535}.
Molecular Weight:	164.2 kDa
UniProt:	Q9BXF3
Pathways:	Tube Formation

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

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

