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Datasheet for ABIN7552851

CCDC144A Protein (AA 1-1427) (His tag)

Overview

Quantity:	1 mg
Target:	CCDC144A
Protein Characteristics:	AA 1-1427
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCDC144A protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat CCDC144A Protein expressed in mammalien cells.
Sequence:	MASWGGEKRG GAEGSPKPAV YATRKTPSVG SQGDQWYLYG PGDQWSSGFP YSWWKNSVGS ESKHGEGALD QPQHVDVRLED LGELHRAARS GDVPGVEHIL APGDTGVDKR DRKKSIIQLV PEYKEKQTPE SLPQNNNPDW HPTNLTLSD ETCQRSKNLKV DDKCPSVSPS MPENQSATKE LGQMNLTERE KMDTGCVLLS GNDTLHDLCQ SQLPENKESK EAEQDSELTSEEEEQERLKGK ENKQPQKTSQ EPEMAKDCDR EDIPIYPVLP HVQKSEEMWI EQGKLEWKNQ LKLVINELKQ RFGEIYEKYK IPACPEEEPL LDNSTRGTDV KDIPFNL TNN IPGCEEEDAS EISVSVVFET FPEQKEPSLK NIIHPYYHPY SGSQEHVCQS SSKFHLHENK LDCDNDNKPG IGHIFSTDKN FHNDASTKKA RNPEVVMVEM KEDQEFDLQM TKNMNQNSDS GSTNNYKSLK PKLENLSSLP PDSVRTSEVY LHEELQQDMQ KFKNEVNTLE EEFLALKKED VQLHKDVEEEE MEKHRSNSTE LSGTLTDGTT VGNDDDGLNQ QIPRKENG EHRPADKTSNE KNEVKNQIYP EADFADSM EP SEIASEDCEL SHSVYENFML LIEQLRMEYK DSASLPRIQD TFCLCEHLLK LKNNHCDQLT

VKLLQMENMV SVLQNELSET KTKLQLELQ KIEWEKELYD LRLALKQENE EKRNADMLYN
KDSEQLRIKE EECGKVVETK QQLKWNLRRL VKELRTVRNN LDLVVQERND AQKQLSEEQD
ARILQDQILT SKQKELEMAR KKMNSEISHR HQKEKDLFHE DCMLQEEIAL LRLEIDTIKN
QNKQKEKKYF EDIEAVKEKN DNLQKIIKLN EETLTETILQ YSGQLNLLTA ENKILNSELE
NGKQNQERLE IEMESYRCRL AA AVRDCDQS QTARDLKLDL QRTREQEWVRL HDKMKVDMMSG
LQAKNEILSE KLSNAESKIN SLQIQLHNTR DALGRESLIL ERVQRDLSQT QCQKKETEQM
YQIEQSKLKK YIAKQESVEE RLSQLQSENM LLRQQLDDAH KKANSQEKTS STIQDQFHSA
AKNLQAESEK QILSLQEKNK ELMDEYNHLK ERMDQCEKEK AGRKIDLTEA QETVPSRCLH
LDAENEVLQL QQTLFSMKAI QKQCETLQKN KKQLKQEVVN LKSYMERNML ERGKAEWHLK
LIEERARKEI EEKLNAILT LQKQAAVSHE QLVQLREDNT TSIKTQMELT IKDLESEISR
IKTSQADFNK TELERYKELY LEEVKVRESL SNELSRTNEM IAEVSTQLTV EKEQTRSRL
FTAYATRPVL ESPCVGNLND SEGLNRKHIP RKKRSALKDM ESYLLKMQQK LQNDLTAEVA
GSSQTGLHRI PQCSSFSSSS LHLLLCISIQ PFFLILQLLL NMNLDPI **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 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, Western Blot

Grade: custom-made

Target Details

Target:	CCDC144A
Alternative Name:	CCDC144A (CCDC144A Products)
Background:	Coiled-coil domain-containing protein 144A,FUNCTION: May play a role in preventing the formation of kidney stones through inhibition of calcium oxalate monohydrate (COM) crystallization, attenuating COM-induced apoptotic injury to renal epithelial cells (PubMed:32991878). May exhibit antilithiatic (preventing the formation of kidney stones) activity through crystal binding, hindering the crystal attachment to renal epithelial cells, a pre-requisite to initiate inflammatory response (PubMed:32991878). {ECO:0000269 PubMed:32991878}.
Molecular Weight:	165.1 kDa
UniProt:	A2RUR9

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