CDO Protein, Human (HEK293, His)

Cat. No.:	HY-P70070
Synonyms:	rHuCell adhesion molecule-related/down-regulated by oncogenes/CDO, His; Cell adhesion molecule-related/down-regulated by oncogenes; CDON; CDO
Species:	Human
Source:	HEK293
Accession:	Q4KMG0 (D26-P943)
Gene ID:	50937
Molecular Weight:	120-135 kDa

PROPERTIES

AA Sequence

D L A P Y F T S E P	L S A V Q K L G G P	V V L H C S A Q P V	T T R I S W L H N G
K T L D G N L E H V	K I H Q G T L T I L	S L N S S L L G Y Y	Q C L A N N S I G A
I V S G P A T V S V	A V L G D F G S S T	K H V I T A E E K S	A G F I G C R V P E
S N P K A E V R Y K	I R G K W L E H S T	E N Y L I L P S G N	L Q I L N V S L E D
K G S Y K C A A Y N	P V T H Q L K V E P	I G R K L L V S R P	S S D D V H I L H P
T H S Q A L A V L S	R S P V T L E C V V	S G V P A P Q V Y W	L K D G Q D I A P G
S N W R R L Y S H L	A T D S V D P A D S	G N Y S C M A G N K	S G D V K Y V T Y M
V N V L E H A S I S	K G L Q D Q I V S L	G A T V H F T C D V	H G N P A P N C T W
F H N A Q P I H P S	A R H L T A G N G L	K I S G V T V E D V	G M Y Q C V A D N G
I G F M H S T G R L	E I E N D G G F K P	V I I T A P V S A K	V A D G D F V T L S
C N A S G L P V P V	I R W Y D S H G L I	T S H P S Q V L R S	K S R K S Q L S R P
E G L N L E P V Y F	V L S Q A G A S S L	H I Q A V T Q E H A	G K Y I C E A A N E
H G T T Q A E A S L	M V V P F E T N T K	A E T V T L P D A A	Q N D D R S K R D G
S E T G L L S S F P	V K V H P S A V E S	A P E K N A S G I S	V P D A P I I L S P
P Q T H T P D T Y N	L V W R A G K D G G	L P I N A Y F V K Y	R K L D D G V G M L
G S W H T V R V P G	S E N E L H L A E L	E P S S L Y E V L M	V A R S A A G E G Q
P A M L T F R T S K	E K T A S S K N T Q	A S S P P V G I P K	Y P V V S E A A N N
N F G V V L T D S S	R H S G V P E A P D	R P T I S T A S E T	S V Y V T W I P R A
N G G S P I T A F K	V E Y K R M R T S N	W L V A A E D I P P	S K L S V E V R S L
E P G S T Y K F R V	I A I N H Y G E S F	R S S A S R P Y Q V	V G F P N R F S S R
P I T G P H I A Y T	E A V S D T Q I M L	K W T Y I P S S N N	N T P I Q G F Y I Y
Y R P T D S D N D S	D Y K R D V V E G S	K Q W H M I G H L Q	P E T S Y D I K M Q
C F N E G G E S E F	S N V M I C E T K V	K R V P G A S E Y P	V K D L S T P P

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is

	recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CDO (Cell Adhesion Molecule-Related/Downregulated by Oncogenes) is a component of a cell-surface receptor complex crucial for mediating cell-cell interactions among muscle precursor cells. It plays a significant role in promoting the differentiation of myogenic cells. CDO is part of a complex that includes BOC, CDON, NEO1, cadherins, and CTNNB1, underscoring its involvement in intricate signaling networks. Additionally, CDO interacts with NTN3, PTCH1, and GAS1, suggesting its association with various signaling pathways. Notably, CDO engages with important signaling molecules such as DHH, IHH, and SHH, emphasizing its participation in pathways critical for cellular development and tissue patterning. The multifaceted interactions of CDO highlight its role as a key regulator in coordinating cellular processes during development. (

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