

Product datasheet

Recombinant Human CoREST protein ab196077

1 Image

Description

Product name	Recombinant Human CoREST protein	
Purity	>= 80 % SDS-PAGE.	
Expression system	Escherichia coli	
Accession	Q9UKL0	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	RAKRKPPKGMFLSQEDVEAVSANATAATTVLRQLDMELV SVKRQIQNIKQ TNSALKEKLDGGIEPYRLPEVIQKCNARWTTEEQLLAVQAI RKYGRDFQA ISDVIGNKSVVQVKNFFVNYRRRFNIDEVLQEWEAEHGKE ETNGPSNQKP VKSPDNSIKMPEEEDEAPVLDVRYASAS	
Predicted molecular weight	20 kDa including tags	
Amino acids	305 to 482	
Tags	His tag N-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab196077** in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

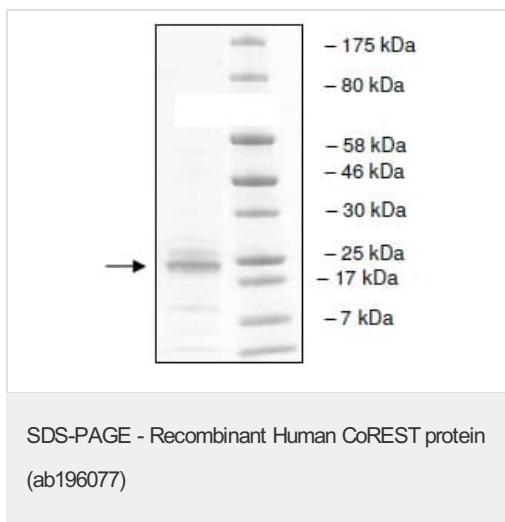
Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.50 Constituents: 0.63% Tris HCl, 0.64% Sodium chloride, 0.02% Potassium chloride, 0.05% DTT,
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General Info

Function	Essential component of the BHC complex, a corepressor complex that represses transcription of neuron-specific genes in non-neuronal cells. The BHC complex is recruited at RE1/NRSE sites by REST and acts by deacetylating and demethylating specific sites on histones, thereby acting as a chromatin modifier. In the BHC complex, it serves as a molecular beacon for the recruitment of molecular machinery, including MeCP2 and SUV39H1, that imposes silencing across a chromosomal interval. Plays a central role in demethylation of Lys-4 of histone H3 by promoting demethylase activity of KDM1A on core histones and nucleosomal substrates. It also protects KDM1A from the proteasome.
Tissue specificity	Ubiquitously expressed.
Sequence similarities	Belongs to the CoREST family. Contains 1 ELM2 domain. Contains 2 SANT domains.
Domain	The SANT domains may bridge the nucleosomal substrates and the demethylase KDM1A.
Post-translational modifications	Phosphorylated by HSV-1 protein kinases in case of infection.
Cellular localization	Nucleus. Upon infection by HSV-1, it is partially translocated into the cytoplasm in an HSV-1-dependent manner.

Images



4-20% SDS-PAGE analysis of 2 µg ab196077 with Coomassie staining.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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