abcam

Product datasheet

Recombinant Human MED13L protein ab153226

1 Image

Description

Product name	Recombinant Human MED13L protein
Expression system	Wheat germ
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	IFGKNSDIGQAAERRLMMCQSTFLPQVEGTKKPQEPPISL LLLLQNQHTQ PFASLNFLDYISSNNRQTLPCVSWSYDRVQADNNDYWTE CFNALEQGRQY
Amino acids	1186 to 1285
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab153226** in the following tested applications.

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

Applications	Western blot ELISA
Form	Liquid
Additional notes	

Preparation and Storage

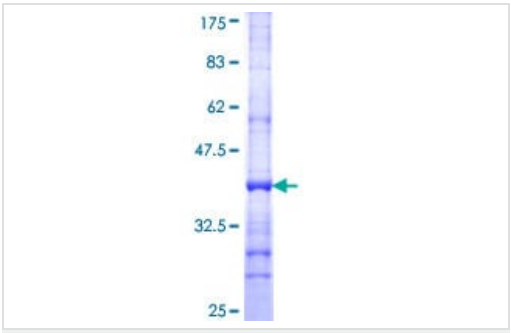
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

General info

Function	Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors. This subunit may specifically regulate transcription of targets of the Wnt signaling pathway and SHH signaling pathway.
Tissue specificity	Highly expressed in brain (cerebellum), heart (aorta), skeletal muscle, kidney, placenta and peripheral blood leukocytes. Highly expressed in fetal brain.
Involvement in disease	Defects in MED13L are a cause of transposition of the great arteries, dextro-looped (DTGA) [MIM:608808]. DTGA consists of complete inversion of the great vessels, so that the aorta incorrectly arises from the right ventricle and the pulmonary artery incorrectly arises from the left ventricle. This creates completely separate pulmonary and systemic circulatory systems, an arrangement that is incompatible with life. Patients often have atrial and/or ventricular septal defects or other types of shunting that allow some mixing between the circulations in order to support life minimally, but surgical intervention is always required. Note=A chromosomal aberration involving MED13L is found in a patient with transposition of the great arteries, dextro-looped and mental retardation. Translocation t(12;17)(q24.1;q21).
Sequence similarities	Belongs to the Mediator complex subunit 13 family.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus.

Images



SDS-PAGE - Recombinant Human MED13L protein (ab153226)

ab153226 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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