

Product datasheet

Recombinant Human MBD5 protein ab163214

1 Image

Overview

Product name	Recombinant Human MBD5 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	MFPPTANMLLPTGEGQSGRAALRDKLMSQQKDALRK RKQPPTTVLSLLRQ SQMDSSAVPKPGPDLLRKQGQGSFPISSMSQLLQSM SCQSSHLSSNSTPG CGASNTALPCSANQLHFTDPSMNSSVLQNIPLRGEAV HCHNANTNFVHSN SPVPNHHLAQLINQIQASGNCGMLSQSGMALGNSLHP NPPQSRISTSSTP VIPNSIVSSYNQTSSEAGMVLLKSTQRY
Amino acids	1 to 229
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab163214** 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	Protein concentration is above or equal to 0.05 mg/ml.

Preparation and Storage

Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function

Binds to heterochromatin. Does not interact with either methylated or unmethylated DNA (in vitro).

Tissue specificity

Detected in heart, placenta, liver, skeletal muscle, kidney and pancreas.

Involvement in disease

Defects in MBD5 are the cause of mental retardation autosomal dominant type 1 (MRD1) [MIM:156200]. Mental retardation is characterized by significantly sub-average general intellectual functioning associated with impairments in adaptive behavior and manifested during the developmental period.

Sequence similarities

Contains 1 MBD (methyl-CpG-binding) domain.

Contains 1 PWWP domain.

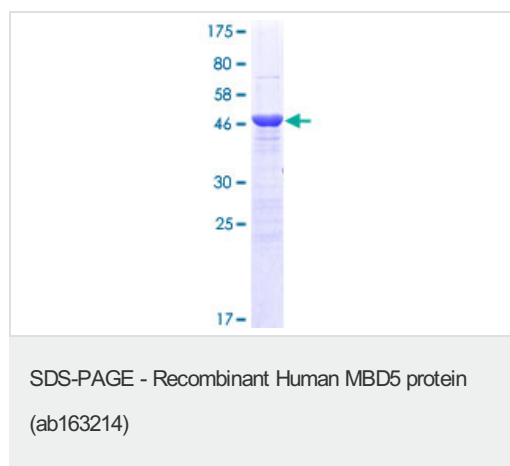
Domain

Both MBD and PWWP domains are necessary for chromocentric localization.

Cellular localization

Nucleus. Chromosome. Associated with pericentric heterochromatin and Nucleus. Not associated with pericentric heterochromatin.

Images



ab163214 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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