



MAGOH (h): 293 Lysate: sc-113018

BACKGROUND

MAGOH, the human homolog of *Drosophila mago nashi*, is required for embryo development. MAGOH is ubiquitously expressed in adult tissues. It has an unusual structure consisting of an extremely flat, six-stranded anti-parallel β sheet packed next to two helices. MAGOH interacts with the Y14 protein to form a complex that plays a crucial role in postsplicing processing (including nuclear export and cytoplasmic localization of the mRNA) and in the nonsense-mediated mRNA decay (NMD) surveillance process. The MAGOH-Y14 complex remains persistently associated in the same position on the mRNA after its export to the cytoplasm and requires translation of the mRNA for removal. This complex may illustrate the mechanism of the pre-mRNA splicing machinery for forming a stable exon-exon junction complex-mRNA at splice junctions.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: MAGOH (human) mapping to 1p32.3.

PRODUCT

MAGOH (h): 293 Lysate represents a lysate of human MAGOH transfected 293 cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

APPLICATIONS

MAGOH (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive MAGOH antibodies. Recommended use: 10-20 μ l per lane.

Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 cells.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.