

Deaf1 Blocking Peptide (C-term)Synthetic peptide
Catalog # BP2711b**Specification**

Deaf1 Blocking Peptide (C-term) - Product InformationPrimary Accession [O9Z1T5](#)
Other Accession [O88450](#)**Deaf1 Blocking Peptide (C-term) - Additional Information**

Gene ID 54006

Other Names

Deformed epidermal autoregulatory factor 1 homolog, Nuclear DEAF-1-related transcriptional regulator, NUDR, Deaf1

Target/Specificity

The synthetic peptide sequence is selected from aa 383-400 of MOUSE Deaf1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Deaf1 Blocking Peptide (C-term) - Protein Information

Name Deaf1

Function

Transcription factor that binds to sequence with multiple copies of 5'-TTC[CG]G-3' present in its own promoter and that of the HNRPA2B1 gene. Down-regulates transcription of these genes. Binds to the retinoic acid response element (RARE) 5'-AGGGTTCACCGAAAGTTCA-3'. Activates the proenkephalin gene independently of promoter binding, probably through protein-protein interaction (By similarity). Regulates epithelial cell proliferation and side-branching in the mammary gland. Required for neural tube closure and skeletal patterning. Controls the expression of peripheral tissue antigens in pancreatic lymph nodes. Isoform 1 displays greater transcriptional activity than isoform 2. Isoform 2 may inhibit transcriptional activity of isoform 1 by interacting with it and retaining it in the cytoplasm. Transcriptional activator of EIF4G3 (By similarity). May also involved in behavior (PubMed: <http://www.uniprot.org/citations/24726472> target="_blank">24726472).

Cellular Location

[Isoform 1]: Nucleus. Cytoplasm.

Tissue Location

Ubiquitously expressed during embryogenesis, with higher expression in regions of the central nervous system, dorsal root ganglia, submandibular gland, epidermis and breast. In 12-week-old NOD mice, expression of isoform 2 is sevenfold higher in lymph node stromal elements than in T-cells and tenfold higher than in B-cells

Deaf1 Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

Deaf1 Blocking Peptide (C-term) - Images**Deaf1 Blocking Peptide (C-term) - Background**

Drosophila Deformed epidermal autoregulatory factor 1 (DEAF-1) is a DNA-binding protein that interacts with regulatory sequences first described in the Deformed epidermal autoregulatory element.

Deaf1 Blocking Peptide (C-term) - References

Czesak, M., J. Neurosci. 26 (6), 1864-1871 (2006)
Hahm, K., Mol. Cell. Biol. 24 (5), 2074-2082 (2004)