

Recombinant Mouse Dach2 Protein, Myc/DDK-tagged

Cat. No. Dach2-2448M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length dachshund family transcription factor 2 (Dach2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Transcription factor that is involved in regulation of organogenesis. Seems to be a regulator for SIX1 and SIX6. Seems to act as a corepressor of SIX6 in regulating proliferation by directly repressing cyclin-dependent kinase inhibitors, including the p27Kip1 promoter. Is recruited with SIX6 to the p27Kip1 promoter in embryonal retina. SIX6 corepression seems also to involve NCOR1, TBL1, HDAC1 and HDAC3. May be involved together with PAX3, SIX1, and EYA2 in regulation of myogenesis. In the developing somite, expression of DACH2 and PAX3 is regulated by the overlying ectoderm, and DACH2 and PAX3 positively regulate each other's expression. Probably binds to DNA via its DACHbox-N domain.
Molecular Mass	65.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Dach2 dachshund family transcription factor 2 [Mus musculus (house mouse)]
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Official Symbol	Dach2
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Synonyms	DACH2; dachshund 2 (Drosophila); dachshund homolog 2; 9430028N04Rik
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Gene ID	93837
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mRNA Refseq	NM_001142570
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Protein Refseq	NP_001136042
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UniProt ID	Q925Q8
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