Recombinant Human DACH2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DACH2-4875H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DACH2 MS Standard C13 and N15-labeled recombinant protein (NP_001132987) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene is one of two genes which encode a protein similar to the Drosophila protein dachshund, a transcription factor involved in cell fate determination in the eye, limb and genital disc of the fly. The encoded protein contains two characteristic dachshund domains: an N-terminal domain responsible for DNA binding and a C-terminal domain responsible for protein-protein interactions. This gene is located on the X chromosome and is subject to inactivation by DNA methylation. The encoded protein may be involved in regulation of organogenesis and myogenesis, and may play a role in premature ovarian failure. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	47 kDa
AA Sequence	MTRKQAVNSSRPGRPPKRSLGVLQENARLLTHAVPGLLSPGLITPTGITAAAMAEAM KLQKMKLMAMNTLQGNGSQNGTESEPDDLNSNTGGSESSWDKDKMQSPFAAPGP QHGIAHAALAGQPGIGGAPTLNPLQQNHLLTNRLDLPFMMMPHPLLPVSLPPASVA MAMNQMNHLNTIANMAAAAQIHSPLSRAGTSVIKERIPESPSPAPSLEENHRPGSQT

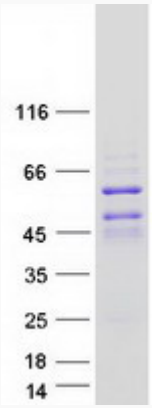
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	SSHTSSSVSSSPSQMDHHLERMEEVPVQIPIMKSPLDKIQLTPGQALPAGFPGPFIFADSLSSVETLLTNIQGLLKVALDNARIQEKQIQQEKKELRLELYREREIRENLERQLAVELQSRTTMQKRLKKEKKTKRKLQEALEFESKRREQVEQALKQATTSDSGLRMLKDTGIPDIEIENNGTPHDSAAMQGGNYYCLEMAQQLYSATRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	DACH2 dachshund family transcription factor 2 [Homo sapiens (human)]
Official Symbol	DACH2
Synonyms	DACH2; dachshund homolog 2 (Drosophila); dachshund homolog 2; FLJ31391; MGC138545;
Gene ID	117154
mRNA Refseq	NM_001139515
Protein Refseq	NP_001132987

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MIM	300608
UniProt ID	Q96NX9
SDS-PAGE	

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