

Recombinant Mouse Hr Protein, MYC/DDK-tagged

Cat. No. Hr-1168M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse lysine demethylase and nuclear receptor corepressor (Hr), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a protein that is involved in hair growth. This protein functions as a transcriptional corepressor of multiple nuclear receptors, including thyroid hormone receptor, the retinoic acid receptor-related orphan receptors and the vitamin D receptors, and it interacts with histone deacetylases. The translation of this protein is modulated by a regulatory ORF that exists upstream of the primary ORF. Mutations in this upstream ORF, U2HR, cause Marie Unna hereditary hypotrichosis (MUHH), an autosomal dominant form of genetic hair loss in human.
Molecular Mass	127.2 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

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Hr lysine demethylase and nuclear receptor corepressor [*Mus musculus* (house mouse)]

Official Symbol Hr

Synonyms Hr; lysine demethylase and nuclear receptor corepressor; hr; bldy; ALUNC; rh-bmh; lysine-specific demethylase hairless; [histone H3]-dimethyl-L-lysine(9) demethylase hairless; hairless; protein hairless; EC 1.14.11.65

Gene ID 15460

mRNA Refseq NM_021877

Protein Refseq NP_068677

UniProt ID Q61645

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