

Recombinant Human HR, GST-tagged

Cat. No. HR-13933H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HR protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	351-700a.a.
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 multiple regulatory ORFs that exist upstream of the primary ORF. Mutations in one of these upstream ORFs, U2HR, cause Marie Unna hereditary hypotrichosis (MUHH), an autosomal dominant form of genetic hair loss. Mutations in this gene also cause autosomal recessive congenital alopecia and atrichia with papular lesions, other diseases resulting in hair loss. Two transcript variants encoding different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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GENE INFORMATION

Gene Name	HR hairless homolog (mouse) [Homo sapiens]
Official Symbol	HR
Synonyms	HR; hairless homolog (mouse); ALUNC, hairless (mouse) homolog; AU; ALUNC;
Gene ID	3264
MIM	602302
UniProt ID	O43593
Chromosome Location	8p12

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