

Recombinant Human HR Protein, GST-tagged

Cat. No. HR-5022H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HR partial ORF (NP_005135, 1090 a.a. - 1189 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq
Molecular Mass	36.74 kDa
AA Sequence	LDAGLRRRLREEWGVSCWTLLQAPGEAVLVPAGAPHQVQGLVSTVSVTQHFLSPE TSALSAQLCHQGPSLPPDCHLLYAQMDWAVFQAVKVAVGTLQEAK
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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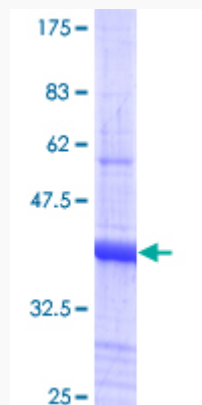
	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene 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

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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