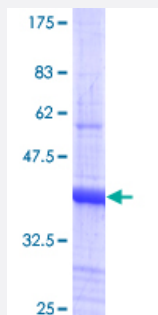


HR (Human) Recombinant Protein (Q01)

Catalog # H00055806-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HR partial ORF (NP_005135, 1090 a.a. - 1189 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LDAGLRRRLREEWGVSCWTLLQAPGEAVLVPAGAPHQVQGLVSTVSVTQHFLSPETSALSAQL CHQGPSLPPDCHLLYAQMDWAVFQAVKVAVGTLQEAK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (91)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HR

Entrez GeneID [55806](#)

GeneBank Accession# [NM_005144](#)

Protein Accession# [NP_005135](#)

Gene Name HR

Gene Alias ALUNC, AU, HSA277165

Gene Description hairless homolog (mouse)

Omim ID [203655](#) [209500](#) [602302](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations OTTHUMP00000122609|OTTHUMP00000159164|hairless protein

Disease

- [Alopecia](#)