

Product datasheet for TP309010L

Hairless (HR) (NM_005144) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human hairless homolog (mouse) (HR), transcript variant 1, 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC209010 protein sequence
Red=Cloning site Green=Tags(s)

MESTPSFLKGTPTWEKTAPENGIVRQEPGSPPRDGLHHGPLCLGEPAPFWRGVLSTPDSWLPPGFPQGPK
DMLPLVEGEGPQNGERKVNWLGSKEGLRWKEAMLTHPLAFCGPACPPRCGPLMPEHSGGHLKSDPVAFRP
WHCPFLLETKILERAPFWVPTCLPPYLVSGLPPEHPCDWPLTPHPWVYSGGQPKVPSAFSLGSKGFYKDK
PSIPRLAKEPLAAAEPGLFGLNSGGHLQRAGEAERPSLHQRDGEMGAGRQONPCPLFLGQPDTPVWTSWP
ACPPGLVHTLGNVWAGPGDGNLGYQLGPPATPRCPSPEPPVTQRGCCSSYPPTKGGGLGPCGKCQEGLEG
GASGASEPSEEVNKAAGPRACPPSHHTKLKKTWLTRHSEQFECPRGCPEVEERPVARLRALKRAGSPEVQ
GAMGSPAPKRPPDPFPGTAEQGAGGWQEVDRDTSIGNKDVDSGQHDEQKGPQDGGASLQDPLQDIPCLAL
PAKLAQCQSCAQAAEGGGGHACHSQVRRSPLGGELQEEEDTATNSSSEEGPGSGPDSRLSTGLAKHLLS
GLGDRLCRLRREREALAWAQREGQGPVATEDSPGIPRCCSRCHHGLFNTHWRCPRCSHRLCVACGRVAG
TGRAREKAGFQEQSAEECTQEAGHAACSLMLTQFVSSQALAEALSTAMHQVWVKFDIRGHCPQADARVWA
PGDAGQQKESTQKTPPTPQPSCNGDTHRTKSIKEETPDSAETPAEDRAGRGLPCPSLCELLASTAVKLC
LGHRIHMAFAPVTPALPSDDRITNILDSIIAQVVERKIQEKALGPGLRAGPGLRKLGLPLSPVRPRLP
PPGALLWLQEPQPCRRGFHLFQEHWRQGPVLSGIQRTLQGNLWGTEALGALGGQVQALSPLGPPQPS
SLGSTTFWEGFSWPELRPKSDEGSVLLLHRALGDEDTSRVENLAASLPLPEYCALHGKLNLASYLPPGLA
LRPLEPQLWAAYGVSPHRGHLGTKNLCVEVADLVSILVHADTPLPAWHRAQKDFLSGLDGEGLWSPGSQV
STVWHVFRAQDAQRIRRFQMVCAPAGAGALEPGAPGSCYLDAGLRRRLREEWGVSCWTLQAPGEAVLVP
AGAPHVQVQLVSTVSVTQHFLSPETSALSAQLCHQGPSLPPDCHLLYAQMDWAVFQAVKVAVGTLQEAQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 127.3 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

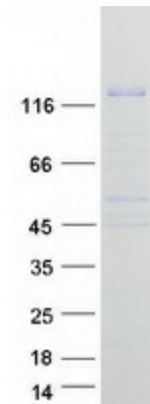
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005135
Locus ID:	55806
UniProt ID:	O43593
RefSeq Size:	5528
Cytogenetics:	8p21.3
RefSeq ORF:	3567
Synonyms:	ALUNC; AU; HSA277165; HYPT4; MUHH; MUHH1
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 a regulatory open reading frame (ORF) that exists upstream of the primary ORF. Mutations in this upstream ORF 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, Oct 2014]
Protein Families:	Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified HR protein (Cat# [TP309010]). The protein was produced from HEK293T cells transfected with HR cDNA clone (Cat# [RC209010]) using MegaTran 2.0 (Cat# [TT210002]).