

Datasheet for ABIN7554069

## Hairless Protein (HR) (AA 1-1189) (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	Hairless (HR)
Protein Characteristics:	AA 1-1189
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Hairless protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant HR Protein expressed in mammalian cells.
Sequence:	<p>MESTPSFLKG TPTWEKTAPE NGIVRQEPGS PPRDGLHHGP LCLGEPAPFW RGVLPSTPDSW</p> <p>LPPGFPQGP K DMLPLVEGEG PQNGERKVNW LGSKEGLRWK EAMLTHPLAF CGPACPPRCG</p> <p>PLMPEHSGGH LKSDPVAFRP WHCPFLLETK ILERAPFWVP TCLPPYLVSG LPPEHPCDWP</p> <p>LTPHPWVYSG GQPKVPSAFS LGSKGFYYKD PSIPRLAKEP LAAAEPGLFG LNSGGHLQRA</p> <p>GEAERPSLHQ RDGEMGAGRQ QNPCPLFLGQ PDTVPWTSWP ACPPGLVHTL GNVWAGPGDG</p> <p>NLGYQLGPPA TPRCPSPEPP VTQRGCCSSY PPTKGGGLGP CGKCQEGLEG GASGASEPSE</p> <p>EVNKASGPRA CPPSHHTKLK KTWLTRHSEQ FECPRGCPEV EERPVARLRA LKRAGSPEVQ</p> <p>GAMGSPAPKR PPDPFPGTAE QGAGGWQEV R DTSIGNKDVD SGQHDEQKGP QDGQASLQDP</p> <p>GLQDIPCLAL PAKLAQCQSC AQAAGEGGGH ACHSQQVRRS PLGGELQQEE DTATNSSSEE</p> <p>GPGSGPDSRL STGLAKHLLS GLGDRLCRLL RREREALAWA QREGQGPAVT EDSPGIPRCC</p> <p>SRCHHGLFNT HWRCPRCSHR LCVACGRVAG TGRAREKAGF QEQSAEECTQ EAGHAACSLM</p> <p>LTQFVSSQAL AELSTAMHQV WVKFDIRGHC PCQADARVWA PGDAGQQKES TQKTPPTPQP</p>

SCNGDTHRTK SIKEETPDSA ETPAEDRAGR GPLPCPSLCE LLASTAVKLC LGHERIHMAF  
APVTPALPSD DRITNILDSI IAQVVERKIQ EKALGPGLRA GPGLRKGLGL PLSPVRPRLP  
PPGALLWLQE PQPCPRRGFH LFQEHWRQGG PVLVSGIQR T LQGNLWGTEA LGALGGQVQA  
LSPLGPPQPS SLGSTTFWEG FSWPELRPKS DEGSVLLLHR ALGDEDTSRV ENLAASLPLP  
EYCALHGKLN LASYLPPGLA LRPLEPQLWA AYGVSPPHRGH LGTKNLCVEV ADLVSVLVHA  
DTPLPAWHRA QKDFLSGLDG EGLWSPGSQV STVWHVFRAQ DAQRIRFLQ MVCPAGAGAL  
EPGAPGSCYL DAGLRRRLRE EWGVSCWTLL QAPGEAVLVP AGAPHQVQGL VSTVSVTQHF  
LSPETSALSA QLCHQGPSLP PDCHLLYAQM DWAVFQAVKV AVGTLQEAK **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	Hairless (HR)
Alternative Name:	Hairless (HR Products)

## Target Details

Background:	Lysine-specific demethylase hairless (EC 1.14.11.65) ([histone H3]-dimethyl-L-lysine(9) demethylase hairless),FUNCTION: Histone demethylase that specifically demethylates both mono- and dimethylated 'Lys-9' of histone H3. May act as a transcription regulator controlling hair biology (via targeting of collagens), neural activity, and cell cycle. {ECO:0000269 PubMed:24334705}.
Molecular Weight:	127.5 kDa
UniProt:	<a href="#">O43593</a>

## Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months