

Datasheet for ABIN7564109

## HERC4 Protein (AA 1-1057) (His tag)



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### Overview

Quantity:	1 mg
Target:	HERC4
Protein Characteristics:	AA 1-1057
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HERC4 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Herc4 Protein expressed in mammalian cells.
Sequence:	<p>MLCWGNASYG QLGLGGIDEE IVLEPRRSDF FVNKKVRDVG CGLRHTVFVL DDGTVYTTCGC</p> <p>NDLGQLGHEK SRKKPEQVVA LDAQNIVAVA CGEAHTLALN DKGQVYAWGL DSDGQLGLQG</p> <p>SEECIRVPRN IKSLSDIQIV QVACGYHSL ALSKASEVFC WGQNKYGQLG LGIDCQKQTS</p> <p>PQLIKSLLGI PFMQVAAGGA HSFVLTLSGA IFGWGRNKFG QLGLNDENDR YVPNLLKSLR</p> <p>SQKIVYICCG EDHTAALTKE GGVFTFGAGG YGQLGHNSTS HEINPRKVFE LMGSIVTQVA</p> <p>CGRQHTSAFV PSSGRIYSFG LGGNGQLGTG STSNRKSPFT VKGNWFSYNG QCPQDIGSED</p> <p>YFCVKRIFSG GDQSFSHYSS PQNCGPPDDF RCSDPSKQIW TVNEALIQKW LSYPSGRFPV</p> <p>EIANEIDGTF SSSGCLNGSF LAISNDDHYR TGTRFSGVDM NAARLLFHKL IQPDHPQISQ</p> <p>QVAASLEKNL IPKLTSSLPD VEALRFYLTL PECPLMSDCN NFTTIAIPFG TALVNLEKAP</p> <p>LKVLENWWSV LEPPLFLKIV ELFKEVVVHL LKLYKIGIPP SERRIFNSFL HTALKVLEIL</p> <p>HRVNEKTGQL IQYDKFYIHE VQELIDIRND YINWVQQQAY GVDVSHGVTE LADIPVTICT</p> <p>YPFVFDAQAK TTLLQTDAVL QMQMAIDQAH RQNVSSLFLP VIESVNPCLI LVVRRENIVG</p>

DAMEVLRKTK NIDYKKPLKV IFVGEDAVDA GGVRKEFFLL IMRELLDPKY GMFRYYEDSR  
LIWFSDKTFE DSDLFHLIGV ICGLAIFYNT IVDLHFPLAL YKKLLKRKPS LDDLKELMPA  
VGRSMQQLLD YPEDDIEETF CLNFTITVEN FGATEVKELV LNGADTAVNR QNRQEFVDAY  
VDYIFNKSVA SLFDAFHAGF HKVCGGKVLL LFQPNELQAM VIGNTNYDWK ELEKNTEYKG  
EYWADHPTIK IFWEVFHELP LEKKKQFLLF LTGSDRIPIL GMKSLKLVQ STGGGESYLP  
VSHTCFNLLD LPKYTEKETL RCKLIQAIDH NEGFSLI

**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:** Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

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

**Grade:** custom-made

## Target Details

**Target:** HERC4

**Alternative Name:** Herc4 ([HERC4 Products](#))

**Background:** Probable E3 ubiquitin-protein ligase HERC4 (EC 2.3.2.26) (HECT domain and RCC1-like domain-containing protein 4) (HECT-type E3 ubiquitin transferase HERC4),FUNCTION: Probable E3

## Target Details

ubiquitin-protein ligase involved in either protein trafficking or in the distribution of cellular structures. Required for spermatozoon maturation and fertility, and for the removal of the cytoplasmic droplet of the spermatozoon. E3 ubiquitin-protein ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer it to targeted substrates. {ECO:0000269|PubMed:17967448}.

Molecular Weight: 118.4 kDa

UniProt: [Q6PAV2](#)

## 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