

Datasheet for ABIN7554079

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



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Overview

Quantity:	1 mg
Target:	HERC4
Protein Characteristics:	AA 1-1057
Origin:	Human
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>MLCWGNASFG QLGLGGIDEE IVLEPRKSDF FINKRVRDVG CGLRHTVFVL DDGTVYTTCGC</p> <p>NDLGQLGHEK SRKKPEQVVA LDAQNIVAVS CGEAHTLALN DKGQVYAWGL DSDGQLGLVG</p> <p>SEECIRVPRN IKSLSDIQIV QVACGYHSL ALSKASEVFC WGQNKYQQLG LGTDCKKQTS</p> <p>PQLLKSLGI PFMQVAAGGA HSFVLTLSGA IFGWGRNKFG QLGLNDENDR YVPNLLKSLR</p> <p>SQKIVYICCG EDHTAALTKE GGVFTFGAGG YGQLGHNSTS HEINPRKVFE LMGSIVTEIA</p> <p>CGRQHTSAFV PSSGRIYSFG LGGNGQLGTG STSNRKSPFT VKGNWYPYNG QCLPDIDSEE</p> <p>YFCVKRIFSG GDQSFSHYSS PQNCGPPDDF RCPNPTKQIW TVNEALIQKW LSYPSGRFPV</p> <p>EIANEIDGTF SSSGCLNGSF LAVSNDDHYR TGTRFSGVDM NAARLLFHKL IQPDHPQISQ</p> <p>QVAASLEKNL IPKLTSSLPD VEALRFYLT PECPMLSDSN NFTTIAIPFG TALVNLEKAP</p> <p>LKVLENWWSV LEPPLFLKIV ELFKEVVVHL LKLYKIGIPP SERRIFNSFL HTALKVLEIL</p> <p>HRVNEKMGQI IQYDKFYIHE VQELIDIRND YINWVQQQAY GMDVNHGLTE LADIPVTICT</p> <p>YPFVFDAQAK TTLLQTDVAVL QMQMAIDQAH RQNVSSLFLP VIESVNPCLI LVVRRENIVG</p>

DAMEVLRKTK NIDYKKPLKV IFVGEDAVDA GGVRKEFFLL IMRELLDPKY GMFRYYEDSR
LIWFSDKTFE DSDLFHLIGV ICGLAIYNCT IVDLHFPLAL YKKLLKKKPS LDDLKELMPD
VGRSMQQLLD YPEDDIEETF CLNFTITVEN FGATEVKELV LNGADTAVNK QNRQEFVDAY
VDYIFNKSVA SLFDAFHAGF HKVCGGKVLL LFQPNELQAM VIGNTNYDWK ELEKNTEYKG
EYWAEHPTIK IFWEVFHELP LEKKKQFLLF LTGSDRIPIL GMKSLKLVQ STGGGEEYLP
VSHTCFNLLD LPKYTEKETL RSKLIQAIDH 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:0000250|UniProtKB:Q6PAV2}.

Molecular Weight: 118.6 kDa

UniProt: [Q5GLZ8](#)

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