

Datasheet for ABIN7560664

Chromosome 15 Open Reading Frame 60 (C15ORF60) (AA 1-259) protein (His tag)



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Overview

Quantity:	1 mg
Target:	Chromosome 15 Open Reading Frame 60 (C15ORF60)
Protein Characteristics:	AA 1-259
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Custom-made recombinant Rec114 Protein expressed in mammalian cells.
Sequence:	MSEAGNVASG LGLPGEVSQW SLKRYGRFML LDNVGSPGPS SEAAAAGSPT WKVFESSEES GSLVLTIVVS GHFFISQQQT LLEGFSLIGS KNWLKIVRRM DCLLFGTTIK NKSRMFRVQF SGESKEEAL RCCGCVQTLA QYVTVQEPDS TTQELQQSQG PREAGESQ GK DPLQQGPSLT LEQHVCMAAG AGVLQERTSV THRAQSILAP EKL TLAYEGS SWGTEELGPF LRLCLMDQNF PAFVEEVEKE LKKITGLRN 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: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	Chromosome 15 Open Reading Frame 60 (C15ORF60)
Alternative Name:	Rec114 (C15ORF60 Products)
Background:	Meiotic recombination protein REC114,FUNCTION: Required for DNA double-strand breaks (DSBs) formation in unsynapsed regions during meiotic recombination (PubMed:20551173, PubMed:27723721, PubMed:30569039). Probably acts by forming a complex with IHO1 and MEI4, which activates DSBs formation in unsynapsed regions, an essential step to ensure completion of synapsis (PubMed:27723721, PubMed:30569039). Required for spermatogenesis and oogenesis (PubMed:30569039). {ECO:0000269 PubMed:20551173, ECO:0000269 PubMed:27723721, ECO:0000269 PubMed:30569039}.
Molecular Weight:	28.2 kDa
UniProt:	Q9CWH4

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