

Datasheet for ABIN7559382
OVOL2 Protein (AA 1-274) (His tag)



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Overview

Quantity:	1 mg
Target:	OVOL2
Protein Characteristics:	AA 1-274
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OVOL2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ovol2 Protein expressed in mammalian cells.
Sequence:	MPKVFLVKRR SPGVSVRSWD ELPDDKRADT YIPVSLGCLL RDPPEDCRSD GGSSSGCSSS AGEPGAESS SSPRAPEPET PELHDAQGTD GHLAAMQRPV ARSKIKFTTG TCDNSVIHNC DLCGKSFRLQ RMLNRHLKCH NQVKRHLCTF CGKGFNDTFD LKRHRVTHTG IRPYKCEVCN KAFTQRCSLE SHLKKIHGVQ QQYAYKQRRD KLYVCEDCGY TGPTQEDLYL HVNSDHPGST FLKKTSKKLA ALMQNKLTSP LQENSTLSEE EEKK 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:

Product Details

- 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)
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Grade:	custom-made
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Target Details

Target:	OVOL2
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Alternative Name:	Ovol2 (OVOL2 Products)
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Background:	Transcription factor Ovo-like 2 (mOvo2) (Zinc finger OVO2) (Zinc finger protein 339) (Zinc finger protein mOVO),FUNCTION: Zinc-finger transcription repressor factor (PubMed:15225875, PubMed:23319585, PubMed:36228616). Plays a critical role in maintaining the identity of epithelial lineages by suppressing epithelial-to mesenchymal transition (EMT) mainly through the repression of ZEB1, an EMT inducer (PubMed:24735878, PubMed:24735879). Positively regulates neuronal differentiation (PubMed:16423343, PubMed:23319585). Suppresses cell cycling and terminal differentiation of keratinocytes by directly repressing MYC and NOTCH1 (By similarity). Important for the correct development of primordial germ cells in embryos (PubMed:28059165). Plays dual functions in thermogenesis and adipogenesis to maintain energy balance. Essential for brown/beige adipose tissue-mediated thermogenesis, is necessary for the development of brown adipocytes. In white adipose tissues, limits adipogenesis by blocking CEBPA binding to its transcriptional targets and inhibiting its transcription factor activity (PubMed:36228616). {ECO:0000250 UniProtKB:Q9BRP0, ECO:0000269 PubMed:15225875, ECO:0000269 PubMed:16423343,
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Target Details

ECO:0000269|PubMed:23319585, ECO:0000269|PubMed:24735878,
ECO:0000269|PubMed:24735879, ECO:0000269|PubMed:28059165,
ECO:0000269|PubMed:36228616}.

Molecular Weight: 30.7 kDa

UniProt: [Q8CIV7](#)

Pathways: [Tube Formation](#)

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