

## Recombinant Human CECR2 Protein (R425-H538), His tagged

Cat. No. CECR2-1016H Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Product Overview | Recombinant Human 6His-TEV-CECR2(R425-H538) Protein was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ProteinLength    | R425-H538                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Description      | <p>Regulatory subunit of the ATP-dependent CERF-1 and CERF-5 ISWI chromatin remodeling complexes, which form ordered nucleosome arrays on chromatin and facilitate access to DNA during DNA-templated processes such as DNA replication, transcription, and repair. The complexes do not have the ability to slide mononucleosomes to the center of a DNA template. The CERF-1 ISWI chromatin remodeling complex has a lower ATP hydrolysis rate than the CERF-5 ISWI chromatin remodeling complex. Plays a role in various processes during development: required during embryogenesis for neural tube closure and inner ear development. In adults, required for spermatogenesis, via the formation of ISWI-type chromatin complexes. In histone-modifying complexes, CECR2 recognizes and binds acylated histones: binds histones that are acetylated and/or butyrylated. May also be involved through its interaction with LRPPRC in the integration of cytoskeletal network with vesicular trafficking, nucleocytoplasmic shuttling, transcription, chromosome remodeling and cytokinesis.</p> |

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Form</b>           | Liquid                                                                                                                                                              |
| <b>Endotoxin</b>      | < 0.01 EU per µg of the protein                                                                                                                                     |
| <b>Purity</b>         | 90%                                                                                                                                                                 |
| <b>Stability</b>      | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.                                                                           |
| <b>Storage</b>        | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Storage Buffer</b> | Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol                                                                                               |
| <b>Shipping</b>       | It is shipped out with blue ice.                                                                                                                                    |

## GENE INFORMATION

|                        |                                                                                                               |
|------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CECR2 cat eye syndrome chromosome region, candidate 2 [ Homo sapiens (human) ]                                |
| <b>Official Symbol</b> | CECR2                                                                                                         |
| <b>Synonyms</b>        | CECR2; cat eye syndrome chromosome region, candidate 2; cat eye syndrome critical region protein 2; KIAA1740; |
| <b>Gene ID</b>         | 27443                                                                                                         |
| <b>mRNA Refseq</b>     | NM_031413                                                                                                     |
| <b>Protein Refseq</b>  | NP_113601                                                                                                     |

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| MIM | 607576 |
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| UniProt ID | Q9BXF3 |
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