

# Recombinant Human CRACR2A Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** CRACR2A-3731H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>Product Overview</b> | EFCAB4B MS Standard C13 and N15-labeled recombinant protein (NP_116069) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | CRACR2A (Calcium Release Activated Channel Regulator 2A) is a Protein Coding gene. Diseases associated with CRACR2A include Stormorken Syndrome and Myopathy, Tubular Aggregate, 1. Among its related pathways are Innate Immune System. Gene Ontology (GO) annotations related to this gene include calcium ion binding and GTPase activity. An important paralog of this gene is CRACR2B.                                                                                |
| <b>Molecular Mass</b>   | 45.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MAAPDGRVVS RPQRLGQSGSGQGP KSGAC LHPLDSLEQKETQEQTSGQLV MLRK<br>AQEFFQTCDAEGKGFIARKDMQRLHKELPLSLEELEDVFDALDADGNGYLTPQEFTT<br>GFSHFFFSQNNPSQEDAGEQVAQRHEEKVYLSRGDEDLGDMGEDEEAQFRMLMD<br>RLGAQKVLEDES DVKQLWLQLKKEEPHLLSNFEDFLTRIISQLQEAHEEKNELECALK<br>RKIAAYDEEIQHLYEEMEQQIKSEKEQFLDKDTERFQARSQELEQKLLCKEQELEQLT<br>QKQKRLEGQCTALHHDKHETKAENTKLKLTNQELARELERTSWELQDAQQQLES<br>QQEACKLHQEKEMEVYRVTESLQREKAGLLKQLDFLRCVGGHWPVLRAPPRSLGS<br>EGPVTRTRPLEQKLISEEDLAANDILDYKDDDDKV |

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|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

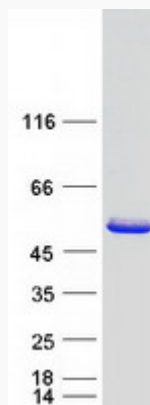
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CRACR2A calcium release activated channel regulator 2A [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                  |
| <b>Official Symbol</b> | CRACR2A                                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>        | CRACR2A; calcium release activated channel regulator 2A; EFCAB4B; EF-hand calcium-binding domain-containing protein 4B; CRAC channel regulator 2A; CRAC regulator 2A; Ca <sup>2+</sup> release-activated Ca <sup>2+</sup> (CRAC) channel regulator 2A; EF-hand calcium binding domain 4B; calcium release-activated calcium channel regulator 2A |
| <b>Gene ID</b>         | 84766                                                                                                                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>     | NM_032680                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>  | NP_116069                                                                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>             | 614178                                                                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>      | Q9BSW2                                                                                                                                                                                                                                                                                                                                           |

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**SDS-PAGE**

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