

## Recombinant Human REEP2 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** REEP2-505H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | REEP2 MS Standard C13 and N15-labeled recombinant protein (NP_057690) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | This gene encodes a member of the receptor expression enhancing protein family. Studies of a related gene in mouse suggest that the encoded protein is found in the cell membrane and enhances the function of sweet taste receptors. Alternative splicing results in multiple transcript variants.          |
| <b>Molecular Mass</b>   | 28.3 kDa                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MVSWIISRLVVLIFGTLYPAYSSYKAVKTKNVKEYVKWMMYWIVFAFFTTAETLTDIVL<br>SWFPFYFELKIAFVIWLLSPYTKGSSVLYRKFBVHPTLSNKEKEIDEYITQARDKSYETM<br>MRVGKRGLNLAANAAVTAAAKGVLSEKLRSFSMQDLTIRDEDALPLQRPDGRRLRP<br>SPGSLLDTIEDLGDDPALSLRSSTNPADSRTEASEDDMGDKAPKRAKPIKKAPKAEP<br>LASKTLKTRPKKKTSGGGDSATRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| <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.                                                                                                                                                                                                                   |

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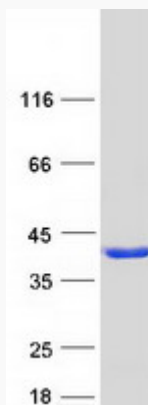
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|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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.                                                                                                                                                |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                        |
| <b>Gene Name</b>        | REEP2 receptor accessory protein 2 [ Homo sapiens (human) ]                                                                                                                            |
| <b>Official Symbol</b>  | REEP2                                                                                                                                                                                  |
| <b>Synonyms</b>         | REEP2; receptor accessory protein 2; C5orf19, chromosome 5 open reading frame 19; receptor expression-enhancing protein 2; SGC32445; receptor expression enhancing protein 2; C5orf19; |
| <b>Gene ID</b>          | 51308                                                                                                                                                                                  |
| <b>mRNA Refseq</b>      | NM_016606                                                                                                                                                                              |
| <b>Protein Refseq</b>   | NP_057690                                                                                                                                                                              |
| <b>MIM</b>              | 609347                                                                                                                                                                                 |
| <b>UniProt ID</b>       | Q9BRK0                                                                                                                                                                                 |

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**SDS-PAGE**

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