

# Recombinant Human OGFOD2 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** OGFOD2-4534H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | OGFOD2 MS Standard C13 and N15-labeled recombinant protein (NP_078899) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | OGFOD2 (2-Oxoglutarate And Iron Dependent Oxygenase Domain Containing 2) is a Protein Coding gene. Gene Ontology (GO) annotations related to this gene include iron ion binding and oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen, 2-oxoglutarate as one donor, and incorporation of one atom each of oxygen into both donors. An important paralog of this gene is PTC1. |
| <b>Molecular Mass</b>   | 31.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MVELEQEVERRQRLGQESAARKALIASYHPARPEVYDSLQDAALAPEFLAVTEYSV<br>SPDADLKGLLQRLETVSEEKRIYRVPVFTAPFCQALLEELEHFEQSDMPKGRPNMTN<br>NYGVLLHELGLDEPLMTPLRERFLQPLMALLYPDCGGGRLD SHRAFVVKYAPGQDL<br>ELGCHYDNAELTLNVALGKVFTGGALYFGGLFQAPTALTEPLEVEHVVGQGVLRG<br>GQLHGARPLGTGERWNLVWLRASAVRNSLCPMCCREPDLDVDEGFGDGFTREE<br>PATVDVCALTTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                               |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                       |

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|-----------------------|--------------------------------------------------------------------------------------------|
| <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.                                                    |

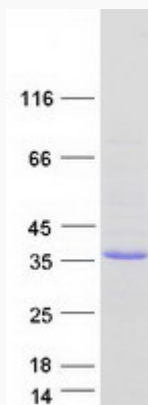
## GENE INFORMATION

|                        |                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | OGFOD2 2-oxoglutarate and iron-dependent oxygenase domain containing 2 [ Homo sapiens (human) ]                                                                |
| <b>Official Symbol</b> | OGFOD2                                                                                                                                                         |
| <b>Synonyms</b>        | OGFOD2; 2-oxoglutarate and iron-dependent oxygenase domain containing 2; 2-oxoglutarate and iron-dependent oxygenase domain-containing protein 2; EC 1.14.11.- |
| <b>Gene ID</b>         | 79676                                                                                                                                                          |
| <b>mRNA Refseq</b>     | NM_024623                                                                                                                                                      |
| <b>Protein Refseq</b>  | NP_078899                                                                                                                                                      |
| <b>UniProt ID</b>      | Q6N063                                                                                                                                                         |

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**SDS-PAGE**

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