

## Product datasheet for **TP507816**

### Ogfod1 (NM\_001093757) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Mouse 2-oxoglutarate and iron-dependent oxygenase domain containing 1 (Ogfod1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >MR207816 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MKKGKKQVSAEFSDAVTEEILRKQVAEAWSCRTPFSSHEAIALDMDPFLHCVIPNFIQSQDFLEGLHKELL  
SLDFHEKYNDLYKFQQSDDLKNRKEPHISALRKLMFEDFAWLSKVSGIDLEPTIDMSCAKYEFTDALLC  
HDDELEGRRIAIFILYLVPSWDRDLGGTLDLYDTDEHLQPKQIVKSLIPSWNKLVFVEVSPVFSHQHEILY  
EWINPAYLEMDYQMQUIQEEFEERSEILLKEFLKPEKFAEVCEALEKGDVEWKSHGPPNKRIFYEKAENNLL  
PDVLKECMGLFRSEALFLLLSNLTGLKLHFLAPSEDDTEEEKGEGETASAAAGTEEGTSRRPSGPENNNQV  
AAGSHSQENGEQADPEAQEEEEAKKESSVPMQCQGELRRWKTGHYTLVHDNTKTEFALDLFLYCGCEGWEP  
E  
YGGFTSYIAKGEDEELLIVNPENNSLALVYRDRETLRFVKHINHRSLEQSKAFPSRSGFWDFAFIYYE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK

**Predicted MW:** 56.4 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C after receiving vials.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RefSeq:       | <u>NP_001087226</u>                                                                                                                                                                                                                          |
| Locus ID:     | 270086                                                                                                                                                                                                                                       |
| UniProt ID:   | <u>Q3U0K8</u>                                                                                                                                                                                                                                |
| RefSeq Size:  | 5200                                                                                                                                                                                                                                         |
| Cytogenetics: | 8 C5                                                                                                                                                                                                                                         |
| RefSeq ORF:   | 1464                                                                                                                                                                                                                                         |
| Synonyms:     | 4930415J21Rik; AA387199; AA939912; AW061076; mKIAA1612                                                                                                                                                                                       |
| Summary:      | Prolyl 3-hydroxylase that catalyzes 3-hydroxylation of 'Pro-62' of small ribosomal subunit uS12 (RPS23), thereby regulating protein translation termination efficiency. Involved in stress granule formation.[UniProtKB/Swiss-Prot Function] |