

Recombinant Human OGFOD1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. OGFOD1-736H Lot. No. (See product label)

SPECIFICATION

Product Overview

OGFOD1 MS Standard C13 and N15-labeled recombinant protein (NP_060703) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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.

Molecular Mass

63.2 kDa

AA Sequence

MNGKRPAEPGPARVGGKGGKKEVMAEFSDAVTEETLKKQVAEAWSRRTPFSSHEVIV
 MDMDPFLHCVIPNFIQSQDFLEGLQKELMNLDFHEKYNDLYKFQQSDDLKRRREPHI
 STLRKILFEDFRSWLSIDISKIDLESTIDMSCAKYEFTDALLCHDDELEGRRIAFILYLV
 PWDRSMGGTLDLYSIDEHFQPKQIVKSLIPSWNKLVFFEVSPVSFHQVSEVLSEEKS
 RLSISGWFHGPSLTRPPNYFEPPIPRSPHIPQDHEILYDWINPTYLDMDYQVQIQEEF
 EESSEILLKEFLKPEKFTKVCEALEHGHVWSSRGPPNKRFEKAEESKLPEILKEC
 MKLFRSEALFLLSNFTGLKLHFLAPSEEDMNDKKEAETTDITEEGTSHSPPEPENN
 QMAISNNSQQSNEQTDPEPEENETKKESSVPMCCGELRHWKTGHYTLIHDHSAE
 FALDLILYCGCEGWEPEYGGFTSYIAKGEDELLTVNPESNSLALVYRDRETLKFVK
 HINHRSLQKKTFFPNRTGFWDFSFYIYETRTRPLEQKLISEEDLAANDILDYKDDDDK

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

GENE INFORMATION

Gene Name	OGFOD1 2-oxoglutarate and iron-dependent oxygenase domain containing 1 [Homo sapiens (human)]
Official Symbol	OGFOD1
Synonyms	OGFOD1; 2-oxoglutarate and iron-dependent oxygenase domain containing 1; 2-oxoglutarate and iron-dependent oxygenase domain-containing protein 1; FLJ10826; KIAA1612; TPA1; termination and polyadenylation 1; homolog (S. cerevisiae); termination and polyadenylation 1 homolog; TPA1, termination and polyadenylation 1, homolog;
Gene ID	55239
mRNA Refseq	NM_018233
Protein Refseq	NP_060703

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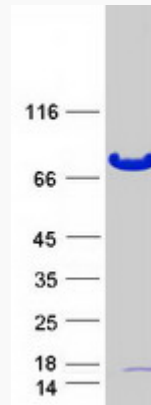
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MIM 615857


UniProt ID Q8N543

SDS-PAGE



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