

## Product datasheet for PH303938

### LITAF (NM\_004862) Human Mass Spec Standard

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Mass Spec Standards  |
| Description:                          | LITAF MS Standard C13 and N15-labeled recombinant protein (NP_004853)  |
| Species:                              | Human  |
| Expression Host:                      | HEK293   |
| Expression cDNA Clone or AA Sequence: | RC203938   |
| Predicted MW:                         | 17.1 kDa   |
| Protein Sequence:                     | >RC203938 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)<br><br>MSVPGPYQAATGPSSAPSAPPSYEETVAVNSYYTPPAPMPGPTTGLVTGPDGKGMNPPSYTQPAPIPN<br>NNPITVQTVYVQHPITFLDRPIQMCCPSCNMIVSQLSYNAGALTWLSGSLCCLLGCIAGCCFIPFCVDA<br>LQDVDHYCPNCRALLGTYKRL<br><br><b>TR</b> TRPLEQK <b>L</b> ISEEDLAANDILDYKDDDDK <b>V</b> |
| Tag:                                  | C-Myc/DDK  |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method   |
| Labeling Method:                      | Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine   |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3   |
| Storage:                              | Store at -80°C. Avoid repeated freeze-thaw cycles.   |
| Stability:                            | Stable for 3 months from receipt of products under proper storage and handling conditions.   |
| RefSeq:                               | <a href="#">NP_004853</a>  |
| RefSeq Size:                          | 2642   |
| RefSeq ORF:                           | 483  |
| Synonyms:                             | PIG7; SIMPLE; TP53I7   |
| Locus ID:                             | 9516   |
| UniProt ID:                           | <a href="#">Q99732</a>   |



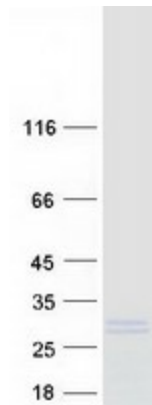
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**Cytogenetics:** 16p13.13

**Summary:** Lipopolysaccharide is a potent stimulator of monocytes and macrophages, causing secretion of tumor necrosis factor-alpha (TNF-alpha) and other inflammatory mediators. This gene encodes lipopolysaccharide-induced TNF-alpha factor, which is a DNA-binding protein and can mediate the TNF-alpha expression by direct binding to the promoter region of the TNF-alpha gene. The transcription of this gene is induced by tumor suppressor p53 and has been implicated in the p53-induced apoptotic pathway. Mutations in this gene cause Charcot-Marie-Tooth disease type 1C (CMT1C) and may be involved in the carcinogenesis of extramammary Paget's disease (EMPD). Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2014]

**Protein Families:** Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified LITAF protein (Cat# [TP303938]). The protein was produced from HEK293T cells transfected with LITAF cDNA clone (Cat# [RC203938]) using MegaTran 2.0 (Cat# [TT210002]).