

## Product datasheet for PH302735

### PAIP1 (NM\_182789) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PAIP1 MS Standard C13 and N15-labeled recombinant protein (NP_877590)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202735
Predicted MW:	45.6 kDa
Protein Sequence:	>RC202735 protein sequence Red=Cloning site Green=Tags(s)

MSDGFDRAPEQTRPLRAPPSSQDKIPQQNSESAMAKPQVVVAPVLMKLSVNAPEFYPSGYSSYTESYE  
DGCEDYPTLSEYVQDFLNHLTEQPGSFETEIEQFAETLNGCVTTDDALQELVELIYQQATSIPNFSYMG  
RLCNYLSHHLTISPQSGNFRQLLQRCRTEYEVKDQAAKGDEVTRKRFHAFVFLGELYLNLEIKGTNGQ  
VTRADILQVGLRELLNALFSNPMDDNLICAVKLLKLTGSVLEDAWKEKGMDEEIIQRIENVVLDANCS  
RDVKQMLLKLVELRSSNWGRVHATSTYREATPENDPNYFMNEPTFYTSDGVPFTAADPDYQEKYQELLER  
EDFFPDYEENGTDL SGAGDPYLDDIDDEMPEIEEAYEKFCLESERKRKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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:	<u><a href="#">NP_877590</a></u>
RefSeq Size:	2559
RefSeq ORF:	1200
Locus ID:	10605
UniProt ID:	<u><a href="#">Q9H074</a></u>

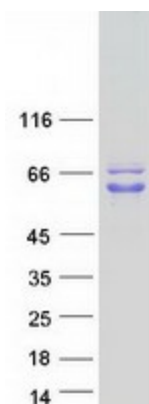


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**Cytogenetics:** 5p12

**Summary:** The protein encoded by this gene interacts with poly(A)-binding protein and with the cap-binding complex eIF4A. It is involved in translational initiation and protein biosynthesis. Overexpression of this gene in COS7 cells stimulates translation. Alternative splicing occurs at this locus and three transcript variants encoding three distinct isoforms have been identified. [provided by RefSeq, Jul 2008]

**Product images:**



Coomassie blue staining of purified PAIP1 protein (Cat# [TP302735]). The protein was produced from HEK293T cells transfected with PAIP1 cDNA clone (Cat# [RC202735]) using MegaTran 2.0 (Cat# [TT210002]).