

## Product datasheet for PH307686

### IKAP (IKBKAP) (NM\_003640) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	IKBKAP MS Standard C13 and N15-labeled recombinant protein (NP_003631)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207686
Predicted MW:	150.1 kDa
Protein Sequence:	>RC207686 representing NM_003640 Red=Cloning site Green=Tags(s)

MRNLKLFRTLEFRDIQGGPNPQCFSLRTEQGTVLIGSEHGLIEVDPVSREVKNEVSLVAEGFLPEDGSGR  
IVGVQDLLDQESVCVATASGDVILCSLSTQQLECVGSVASGISVMSWSPDQELVLLATGQQTLIMMTKDF  
EPILEQQIHQDDFGESKFITVWGWRKETQFHGSEGRQAAFQMQMHESALPDDHRPQVTRWGDGQFFAVS  
VVCPETGARKVRVWNREFALQSTSEPVAGLGPALAWKPSGSLIASTQDKPNQQDVIFFEKNGLLHGHFTL  
PFLKDEVKVNLLWNADSSVLAVWLEDLQREESSIPKTCVQLWTVGNVHWYLLKQSLSFSTCGKSKIVSLM  
WDPVTPYRLHVLQCGWHYLAJDWHWTDRSVGDNSDL SNVAVIDGNRVLTVFRQTVVPPMCTYQLLF  
PHPVNVQVTFLAHPQKSNLAVLDASNQISVYKCGDCPSADPTVKLGAVGSGGFKVCLRTPHLEKRYKIQF  
ENNEDQDVNPLKGLL TWIEEDVFLAVSHSEFSPRSVIHHLTAASSEMDEEHGQLNVSSAAVDGVIISL  
CCNSKTKSVVLQLADGQIFKYLWESP SLAIKPWKNSGGFPVRFYPYCTQTELAMIGEEECVGLGTDRCRF  
FINDIEVASNITSFAVYDEFLLLTTHSHTCQCFC LRDASFKTLQAGLSSNHVSHGGEVLRKVERGSRIVTV  
VPQDTKLVLQMPRGNLEVVHHRALVLAQIRKWLDKLMFKEAFECMRKLRINLNIYDHNPKVFLGNVETF  
IKQIDSVNHINLFFTELKEEDVTKMYPAPVTSSVYL SRDPDGNKIDL VCDAMRAVMESINPHKYCLSIL  
TSHVKKTTPELEIVLQKVHELQGNAPSDPAVSAEEALKYLLHLVDVNELYDHS LGTYDFDLVLMVAEKS  
QKDPKEYLPFLNLTKKMETNYQRFTIDKYLKRYEKAIGHLSKCGPEYFPECLNL IKDKNL YNEALKLYSP  
SSQQYQDISIAYGEHLMQEHMYEPAGLMFARCGAHEKALSAFLTCGNWKQALCVAAQLNFTKDQLVGLGR  
TLAGKLVQRKHIDAAMVLEECAQDYEEAVLLLLLEGAWEEALRLVYKYNRLDIIETNVKPSILEAQKNY  
MAFLDSQTATFSRHKRLLLVRELKEQAQAGLDDEVPHGQESDLFSETSSVSVSGEMSGKYSHSNSRIS  
ARSSKNRRKAERKKHSLKEGSPLDLALLEALSEVYQNTENLKDEVYHILKVLFLFEFDEQGRELQKAFE  
DTLQLMERSLPEIWTLTYQNSATPVLGPNSTANSIMASYQQKT SVPVLDALFIPPKINRRTQWKLSDL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

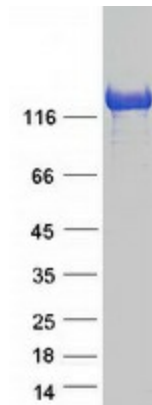
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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<b>Labeling Method:</b>	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
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3
<b>Storage:</b>	Store at -80°C. Avoid repeated freeze-thaw cycles.
<b>Stability:</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_003631</a>
<b>RefSeq Size:</b>	5917
<b>RefSeq ORF:</b>	3996
<b>Synonyms:</b>	DYS; FD; IKAP; IKBKAP; IKI3; TOT1
<b>Locus ID:</b>	8518
<b>UniProt ID:</b>	<a href="#">O95163</a> , <a href="#">Q4LE38</a> , <a href="#">Q8N516</a>
<b>Cytogenetics:</b>	9q31.3
<b>Summary:</b>	The protein encoded by this gene is a scaffold protein and a regulator for three different kinases involved in proinflammatory signaling. The encoded protein can bind NF-kappa-B-inducing kinase and I-kappa-B kinases through separate domains and assemble them into an active kinase complex. Mutations in this gene have been associated with familial dysautonomia. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016]
<b>Protein Families:</b>	Druggable Genome

### Product images:



Coomassie blue staining of purified ELP1 protein (Cat# [TP307686]). The protein was produced from HEK293T cells transfected with ELP1 cDNA clone (Cat# [RC207686]) using MegaTran 2.0 (Cat# [TT210002]).