

## Product datasheet for PH300711

### IKB alpha (NFKBIA) (NM\_020529) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NFKBIA MS Standard C13 and N15-labeled recombinant protein (NP_065390)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200711
Predicted MW:	35.4 kDa
Protein Sequence:	>RC200711 representing NM_020529 <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)

MFQAAERPQEWAMEGPRDGLKKERLLDDRHDSGLDSMKDEEYEQMVKELQEIRLEPQEVPRGSEPWKQQL  
TEDGDSFLHLAIIEEKALTMVIRQVKGDLAFLNFQNNLQQTPLHLAVITNQPEIAEALLGAGCDPELR  
DFRGNTPLHLACEQGCLASVGVLTQSCTPHLHSILKATNYNGHTCLHLASIHGYLGIVELLVSLGADV  
AQEPCNGRTALHLAVDLQNPDLVSLLLKCGADVNRVTYQGYSPYQLTWGRPSTRIQQQLGQLTLENLQML  
PESEDEESYDTESEFTEFTEDELDPYDDCVFGGQRLTL

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_065390</a></u>
RefSeq Size:	1550
RefSeq ORF:	951
Synonyms:	EDAID2; IKBA; MAD-3; NFKBI
Locus ID:	4792



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**UniProt ID:** [P25963](#)

**Cytogenetics:** 14q13.2

**Summary:** This gene encodes a member of the NF-kappa-B inhibitor family, which contain multiple ankrin repeat domains. The encoded protein interacts with REL dimers to inhibit NF-kappa-B/REL complexes which are involved in inflammatory responses. The encoded protein moves between the cytoplasm and the nucleus via a nuclear localization signal and CRM1-mediated nuclear export. Mutations in this gene have been found in ectodermal dysplasia anhidrotic with T-cell immunodeficiency autosomal dominant disease. [provided by RefSeq, Aug 2011]

**Protein Families:** Druggable Genome

**Protein Pathways:** Adipocytokine signaling pathway, Apoptosis, B cell receptor signaling pathway, Chemokine signaling pathway, Chronic myeloid leukemia, Cytosolic DNA-sensing pathway, Epithelial cell signaling in Helicobacter pylori infection, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, Pathways in cancer, Prostate cancer, RIG-I-like receptor signaling pathway, Small cell lung cancer, T cell receptor signaling pathway, Toll-like receptor signaling pathway

## Product images:



Coomassie blue staining of purified NFKBIA protein (Cat# [TP300711]). The protein was produced from HEK293T cells transfected with NFKBIA cDNA clone (Cat# [RC200711]) using MegaTran 2.0 (Cat# [TT210002]).