

## Product datasheet for **TP313207M**

### Ikaros (IKZF1) (NM\_006060) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human IKAROS family zinc finger 1 (Ikaros) (IKZF1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213207 representing NM_006060 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MDADEGQDMSQVSGKESPPVSDTPDEGDEPMPPIPEDLSTTSGGQQSSKSDRVVASNVKQVETQSDEENGRAC  
CEMNGEECAEDLRMLDASGEKMNGSHRDQGSSALSGVGGIRLPNGKCLKDICGIIICIGPNVLMVHKRSHT  
GERPFQCNQCGASFTQKGNLLRHIKLSGKPFKCHLCNYACRRRDALTGHLRTHSVGKPKHCKGCGYGRSY  
KQRSSLEEHKERCHNYLESMLPGTLYPVIKEETNHSEMAEDLCKIGSERSLVLDRLASNAKRKSSMPQ  
KFLGDKGLSDTPYDSSASYEKENEMMKSHVMDQAINNAINYLGAESLRPLVQTPPGGSEVVPVISPMPYQL  
HKPLAEGTPRSNHSAQDSAVENTLLLSKAKLVPSEREASPSNSCQDSTDTESNNEEQRSGLIYLTNHIAP  
HARNGLSLKEEHRAYDLLRAASENSQDALRVVSTSGEQMKVYKCEHCRVFLDHVMTIHMGCHEGFRDPF  
ECNMCGYHSQDRYEFSSHITRGEHRFHMS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	57.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_006051](#)

Locus ID: 10320

UniProt ID: [Q13422](#), [R9R4D9](#)

RefSeq Size: 3962

Cytogenetics: 7p12.2

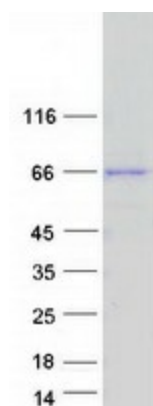
RefSeq ORF: 1557

Synonyms: CVID13; Hs.54452; IK1; IKAROS; LyF-1; LYF1; PPP1R92; PRO0758; ZNFN1A1

**Summary:** This gene encodes a transcription factor that belongs to the family of zinc-finger DNA-binding proteins associated with chromatin remodeling. The expression of this protein is restricted to the fetal and adult hemo-lymphopoietic system, and it functions as a regulator of lymphocyte differentiation. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene. Most isoforms share a common C-terminal domain, which contains two zinc finger motifs that are required for hetero- or homo-dimerization, and for interactions with other proteins. The isoforms, however, differ in the number of N-terminal zinc finger motifs that bind DNA and in nuclear localization signal presence, resulting in members with and without DNA-binding properties. Only a few isoforms contain the requisite three or more N-terminal zinc motifs that confer high affinity binding to a specific core DNA sequence element in the promoters of target genes. The non-DNA-binding isoforms are largely found in the cytoplasm, and are thought to function as dominant-negative factors. Overexpression of some dominant-negative isoforms have been associated with B-cell malignancies, such as acute lymphoblastic leukemia (ALL). [provided by RefSeq, May 2014]

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

### Product images:



Coomassie blue staining of purified IKZF1 protein (Cat# [TP313207]). The protein was produced from HEK293T cells transfected with IKZF1 cDNA clone (Cat# [RC213207]) using MegaTran 2.0 (Cat# [TT210002]).