Recombinant Human IKZF1 Protein (Met1-Ser519), C-MYC/DDK tagged

Cat. No. IKZF1-3889H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IKZF1 (Met1-Ser519) fused with the C-terminal MYC/DDK tag was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
ProteinLength	Met1-Ser519
Description	Ikaros (also LyF1) is a 60 kDa member of the C2H2-type zinc-finger protein family. It is found in both T and B cells and serves as a context-dependent activator or repressor of genes. Human Ikaros is 519 amino acids (aa) in length. It possesses two zinc-finger domains, one at the N-terminus that contains four zinc-finger motifs (aa 117-224) and one at the C-terminus that contains two zinc-finger motifs (aa 462-514) . The C-terminal motifs mediate homo- or heterodimerization, while the N-terminal motifs bind DNA. Multiple splice forms of 37 kDa to 47 kDa exist (Ikaros 2-8) with reduced numbers of N-terminal zinc-finger motifs. At least three are needed for DNA binding, and a heterodimer with a two-motif monomer is suggested to be transcriptionally inert. Over aa 427-519 (which are not spliced), human Ikaros shows 88% aa identity to mouse Ikaros.
Form	Lyophilized powder/frozen liquid

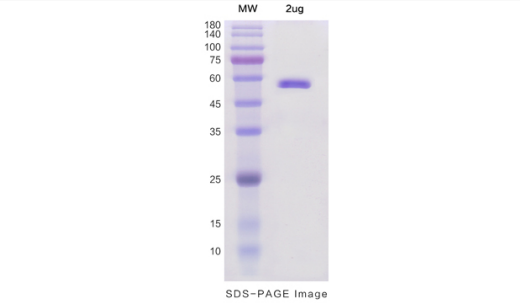
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Molecular Mass	57.09 kDa
Endotoxin	< 1.0 EU/μg of the protein as determined by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS or lyophilized from PBS.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	IKZF1 IKAROS family zinc finger 1 (Ikaros) [Homo sapiens (human)]
Official Symbol	IKZF1
Synonyms	IKZF1; IKAROS family zinc finger 1 (Ikaros); zinc finger protein, subfamily 1A, 1 (Ikaros), ZNFN1A1; DNA-binding protein Ikaros; hIk 1; Hs.54452; IKAROS; LyF 1; CLL-associated antigen KW-6; Ikaros (zinc finger protein); ikaros family zinc finger protein 1; lymphoid transcription factor LyF-1; zinc finger protein, subfamily 1A, 1 (Ikaros); IK1; LYF1; hIk-1; PRO0758; ZNFN1A1;
Gene ID	10320

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_001220765
Protein Refseq	NP_001207694
MIM	603023
UniProt ID	Q13422
SDS-PAGE	

SDS-PAGE Image

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA