

Recombinant Human IGFALS Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. IGFALS-3934H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IGFALS MS Standard C13 and N15-labeled recombinant protein (NP_004961) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a serum protein that binds insulin-like growth factors, increasing their half-life and their vascular localization. Production of the encoded protein, which contains twenty leucine-rich repeats, is stimulated by growth hormone. Defects in this gene are a cause of acid-labile subunit deficiency, which manifests itself in a delayed and slow puberty. Three transcript variants encoding two different isoforms have been found for this gene.
Molecular Mass	66.1 kDa
AA Sequence	MALRKGGALALALLLSWVALGPRSLGADPGTPGEAEGPACPAACVCSYDDDADEL SVFCSSRNLTRLPDGVPGGTQALWLDGNNLSSVPPAAFQNLSSLGFLNLQGGQLG SLEPQALLGLENLCHLHLERNQLRSLALGTFAHTPALASLGLSNNRLSRLEDGLFEG LGSLWDLNLGWNSLAVLPDAAFRGLGSLRELVLGNRLAYLQPALFSGLAELRELDL SRNALRAIKANVFVQLPRLQKLYLDRNLIAAVAPGAFLGLKALRWLDLSHNRVAGLLE DTFPGLLGLRVLRSLSHNAIASLRPRTFKDLHFLEELQLGHNRIQLAERSFEGLGQLE VLTLDHNQLQEVEKAGAFGLTNMAVMNLSGNCLRNLPQVFRGLGKLHSLHLEGSC

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LGRIRPHTFTGLSGLRRLFLKDNGLVGIEEQSLWGLAEELLELDLTSNQLTHLPHRLFQ
 GLGKLEYLLLSRNRLAELPADALGPLQRAFWLDVSHNRLEALPNSLLAPLGRLRYLS
 LRNNSLRTFTPQPPGLERLWLEGNPWDCGCPLKALRDFALQNPSAVPRFVQAICEG
 DDCQPPAYTYNNITCASPPEVVGLDLRDLSEAHFAPCTRTRPLEQKLISEEDLAANDI
 LDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name IGFALS insulin like growth factor binding protein acid labile subunit [Homo sapiens (human)]

Official Symbol IGFALS

Synonyms IGFALS; insulin-like growth factor binding protein, acid labile subunit; insulin-like growth factor-binding protein complex acid labile subunit; ALS; insulin-like growth factor binding protein complex acid labile chain;

Gene ID 3483

mRNA Refseq NM_004970

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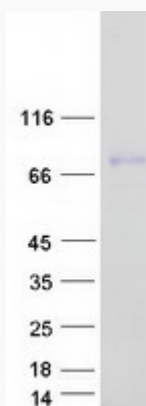
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Protein Refseq NP_004961

MIM 601489

UniProt ID P35858

SDS-PAGE



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