

Recombinant Full Length Human IGFALS Protein, C-Flag-tagged

Cat. No. IGFALS-703HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human IGFALS Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	63.2 kDa
AA Sequence	MALRKGG LALALLLSWVALGPR SLEGADPGTPGEAEGPACPAACVCSYDDDADEL SVFCSSRNLT RLPD GVPGGTQALWLDGNNLSSVPPAAFQNLSSLGFLNLQGGQLG SLEPQALLGLENLCHLHLERNQLRSLALG TFAHTPALASLGLSNNRLSRLEDGLFEG LGSLWDLNLGWN SLAVLPDAAFRGLGSLRELVLAGNRLAYLQ PALFSGLAELRELD LSRNALRAIKANVFVQLPRLQKLYLDRNLIAAVAPGAFLGLKALRWLDLSHNRVAG L LEDTFPGLLGLRVLRLSHNAIASLRPRTFKDLHFLEELQLGHNRI RQLAERSFEGLGQ

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LEVLTDHNQL QEVKAGAFGLTNMAVMNLSGNCLRNLPQVFRGLGKLHSLHLEG
 SCLGRIRPHTFTGLSGLRRLFLKDN GLVGIEEQSLWGLAELLELDLTSNQLTHLPHR
 LFQGLGKLEYLLLSRNRLAELPADALGPLQRAFWLDVS HNRLEALPNSLLAPLGRLR
 YLSLRNNSLRTFTFPQPPGLERLWLEGNPWDCGCPKALRDFALQNPSAVPR
 FVQAICEGDDCQPPAYTYNNITCASPPEVVGLDLRDLSEAHFAPCTRTRPLEQKLISE
 EDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Full Length	Full L.

GENE INFORMATION

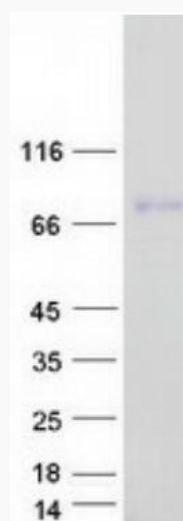
Gene Name	IGFALS insulin like growth factor binding protein acid labile subunit [Homo sapiens (human)]
Official Symbol	IGFALS
Synonyms	ALS; ACLSD

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Gene ID	3483
mRNA Refseq	NM_004970.3
Protein Refseq	NP_004961.1
MIM	601489
UniProt ID	P35858



Coomassie blue staining of purified IGFALS protein.