

## Product datasheet for PH306542

### ALS (IGFALS) (NM\_004970) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	IGFALS MS Standard C13 and N15-labeled recombinant protein (NP_004961)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206542
Predicted MW:	66.1 kDa
Protein Sequence:	>RC206542 protein sequence Red=Cloning site Green=Tags(s)

MALRKGGLALALLLSWVALGPRSLEGADPGTPGEAEGPACPAACVCSYDDDADELSVFCSSRNLRTRLPD  
GVPGGTQALWLDGNNLSSVPPAAFQNLSSLGFLNLQGGQLGSLEPQALLGLENLCHLHLERNQLRSLALG  
TFAHTPALASLGLSNNRLSRLEDGLFEGLGSLWDLNLGWNSLAVLPDAAFRGLGSLRELVLAGNRLAYLQ  
PALFSGLAELRELDL SRNALRAIKANVFVQLPRLQKLYLDRNLI AAVAPGAFGLKALRWDL SHNRVAG  
LLEDTFPGLLGLRVLR LSHNAIASLRPRTFKDLHFL EELQLGHNRI RQLAERSFEGLGQLEVL TLDHNQL  
QEVKAGAFGL TNMAVMNL SGNCLRNLP EQVFRGLGKLHSLHLEGSC LGRI RPHFTFTGLSGLRRLFLKDN  
GLVGIEEQSLWGLAELELDL TSNQL THLPHRLFQGLGKLEYLLL SRNRLAELPADALGPLQRAFWDVS  
HNRLEALPNSLLAPLGRRLYLSLRNNSLRTFTPPQPLERLWLEGNPWDCGCPKALRDFALQNPSAVPR  
FVQAICEGDDCQPPAYTYNNITCASPPPEVVGLDLRDLSEAHFAPC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	<a href="#">NP_004961</a>
RefSeq Size:	2168
RefSeq ORF:	1815



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**Synonyms:** ACLSD; ALS

**Locus ID:** 3483

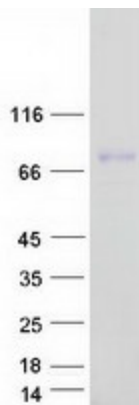
**UniProt ID:** [P35858](#), [Q8TAY0](#)

**Cytogenetics:** 16p13.3

**Summary:** 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. [provided by RefSeq, Mar 2009]

**Protein Families:** Druggable Genome, Secreted Protein

### Product images:



Coomassie blue staining of purified IGFALS protein (Cat# [TP306542]). The protein was produced from HEK293T cells transfected with IGFALS cDNA clone (Cat# [RC206542]) using MegaTran 2.0 (Cat# [TT210002]).