

Recombinant Human IGFALS, GST-tagged

Cat. No. IGFALS-14104H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGFALS protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-344a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	IGFALS insulin-like growth factor binding protein, acid labile subunit [Homo sapiens]
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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_001146006
Protein Refseq	NP_001139478
UniProt ID	P35858
Chromosome Location	16p13.3
Pathway	Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Regulation of Insulin-like Growth Factor (IGF) Activity by Insulin-like Growth Factor Binding Proteins (IGFBPs), organism-specific biosystem;
Function	insulin-like growth factor binding;

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