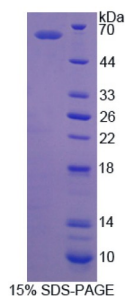


Human Isoleucyl tRNA Synthetase (IARS) Protein

Catalogue No.: abx166943



SDS-PAGE analysis of recombinant Human Isoleucyl tRNA synthetase Protein.



Gene sequencing extract of recombinant Human Isoleucyl tRNA synthetase Protein.

Human Isoleucyl tRNA Synthetase Protein is a recombinant Human protein expressed in E. coli.

This protein is the immunogen for the following antibodies: [abx128182](#)

Target: Isoleucyl tRNA Synthetase (IARS)

Origin: Human

Expression: Recombinant

Tested Applications: WB, SDS-PAGE

Host: E. coli

Conjugation: Unconjugated

Form: Lyophilized

Activity: Not tested

Purity: > 97%

Datasheet

Version: 8.0.0
Revision date: 13 Oct 2025



Reconstitution:	To keep the original salt concentration, we recommend reconstituting to the original concentration prior to lyophilization (see Concentration) in ddH ₂ O. If a lower concentration is required, dilute in 10 mM PBS, pH 7.4. If a higher concentration is required, the product can be reconstituted directly in 10 mM PBS, pH 7.4, though please note that this will change the overall salt concentration. The stock concentration should be between 0.1-1.0 mg/ml. Do not vortex.
Storage:	Store at 2-8°C for up to one month. For long-term storage, store at -80°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P41252 (UniProt , ExPASy)
Gene Symbol:	IARS
GeneID:	3376
OMIM:	600709
HGNC:	5330
KEGG:	hsa:3376
String:	9606.ENSP00000364794
Molecular Weight:	Calculated MW: 61.7 kDa Observed MW (SDS-PAGE): 62 kDa
Sequence Fragment:	Met1-Arg500
Sequence:	MLQQVPENIN FPAEEEEKILE FWTEFNCFQE CLKQSKHKPK FTFYDGPPFA TGLPHYGHIL AGTIKDIVTR YAHQSGFHVD RRFQWDCHGL PVEYEIDKTL GIRGPEDVAK MGITEYNNQC RAIVMRYSAE WKSTVSRLLGR WIDFDNDYKT LYPQFMESVW WVKQLYDKG LVYRGVKVMP FSTACNTPLS NFESHQNYKD VQDPSVFVTF PLEEDETVSL VAWTTTPWTL PSNLAVCVNP EMQYVKIKDV ARGRLILME ARLSALKLE SDYEILERFP GAYLKGKKYR PLFDYFLKCK ENGAFVTLVD NYVKEEEGTG VVHQAPYFGA EDYRVCMDFN IIRKDSLPCV PVDASGCFTT EVTDFAGQYV KDADKSIIRT LKEQGRLLVA TTFTHSYFPC WRSDTPLIYK AVPSWFVRVE NMVDQLLRNN DLCYWVPELV REKRFGNWLK DARDWTISRN RYWGTPIPLW VSDDFEEVVC IGSVAELEEL SGAKISDLHR
Tag:	N-terminal His tag
Buffer:	Prior to lyophilization: PBS, pH 7.4, containing 0.01% Sarcosyl, 5% Trehalose.
Concentration:	Prior to lyophilization: 800 µg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.