

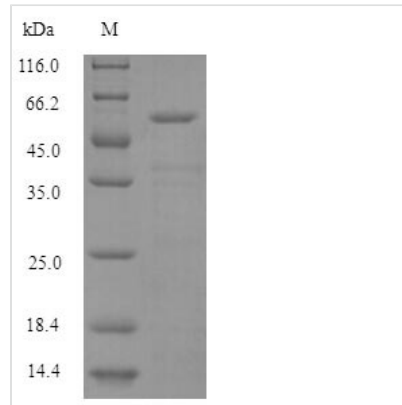


Recombinant Human Histidine--tRNA ligase, cytoplasmic (HARS1), partial

Product Code	CSB-BP010137HU
Relevance	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is a cytoplasmic enzyme which belongs to the class II family of aminoacyl tRNA synthetases. The enzyme is responsible for the synthesis of histidyl-transfer RNA, which is essential for the incorporation of histidine into proteins. The gene is located in a head-to-head orientation with HARS2 on chromosome five, where the homologous genes share a bidirectional promoter.
Abbreviation	Recombinant Human HARS1 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P12081
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	AERAALEELVKLQGERVRGLKQQKASAEIEEEVAKLLKLKAQLGPDESKQKF VLKTPKGTRDYSRQMAVREKVFVDVIIRCFKRHGAEVIDTPVFELKETLMGKYG EDSKLIYDLKDQGGELLSLRYDLTPFARYLAMNKLNTNIKRYHIAKVYRRDNPA MTRGRYREFYQCDFDIAGNFDPMIPDAECLKIMCEILSSLQIGDFLVKVNDRRIL DGMFAICGVSDSKFRTICSSVDKLDKVSWEVKNEMVGEKGLAPEVADRIGDY VQQHGGVSLVEQLLQDPKLSQNKQALEGLGDLKLLFEYLTFLFGIDDKISFDLSL ARGLDYTGVIYEAVLLQTPAQAGEEPLGVGSVAAGGRYDGLVGMFDPKGRK VPCVGLSIGVERIFSIVEQRLEALEEKIRTETQVLVASAQKKLLEERLKLSEL WDAGIKAELLYKKNPKLLNQLQYCEEAGIPLVAIIGEQLKDGVIKLRVTSREE VDVRREDLVEEIKRRTGQ
Research Area	Epigenetics and Nuclear Signaling
Source	Baculovirus
Target Names	HARS1
Expression Region	2-504aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	58.7kDa
Protein Length	Partial



Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Shelf Life

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