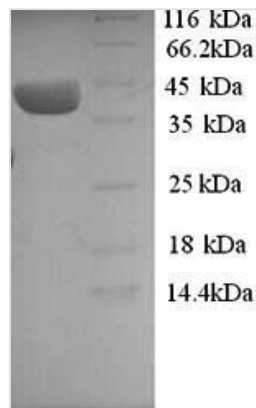




Recombinant Human ELAV-like protein 3 (ELAVL3)

Product Code	CSB-YP618895HU
Relevance	Binds to AU-rich sequences (AREs) of target mRNAs, including VEGF mRNA. May also bind poly-A tracts via RRM 3 . May be involved in neuronal differentiation and maintenance. ¹ Publication
Abbreviation	Recombinant Human ELAVL3 protein
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.	Q14576
Alias	Hu-antigen C ;HuCParaneoplastic cerebellar degeneration-associated antigen;Paraneoplastic limbic encephalitis antigen 21
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MVTQILGAMESQVGGGPAGPALPNGPLLGTNGATDDSKTNLIVNYLPQNMTQ DEFKSLFGSIGDIESCKLVRDKITGQSLGYGFVNYS DPNDADKAINTLNGLKLQ TKTIKVSYPSSASIRDANLYVSGLPKTMSQKEMEQLFSQYGRITSRILVDQV TGVS RGVGFIRFDKRIEAEAAIKGLNGQKPLGAAEPITVKFANNPSQKTGQALL THLYQSSARRYAGPLHHQTQRFRDLNLLNMAYGVKSPLSLIARFSPIDGMS GLAGVGLSGGAAGAGWCIFVYNLSPEADESVLWQLFGPFGAVTNVVKVIRDFT TNKCKGFGFVTMTNYDEAAMAIASLNGYRLGERVLQVSFKTSKQHKA
Research Area	Developmental Biology
Source	Yeast
Target Names	ELAVL3
Protein Names	Recommended name: ELAV-like protein 3 Alternative name(s): Hu-antigen C Short name= HuC Paraneoplastic cerebellar degeneration-associated antigen Paraneoplastic limbic encephalitis antigen 21
Expression Region	1-367aa
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	41.5kDa
Protein Length	Full Length
Image	



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

Description

The expression region of this recombinant Human ELAVL3 covers amino acids 1-367. This ELAVL3 protein is theoretically predicted to have a molecular weight of 41.5 kDa. This protein is generated in a yeast-based system. The ELAVL3 gene fragment has been modified by fusing the N-terminal 6xHis tag, providing convenience in detecting and purifying the recombinant ELAVL3 protein during the following stages.

Human ELAV-like protein 3 (ELAVL3), a member of the ELAVL protein family, binds to RNA molecules and influences their processing, stability, and translation. ELAVL3 is predominantly expressed in neurons, highlighting its role in neuronal development and function. It is involved in the regulation of RNA metabolism in the nervous system. ELAVL3 participates in the regulation of alternative splicing, influencing the diversity of mRNA isoforms produced in neurons. This activity can impact protein diversity and function. ELAVL3 has been implicated in neuronal differentiation and maintenance of the neuronal phenotype. Its expression is often associated with developing and mature neurons. Dysregulation of ELAVL3 has been linked to neurodevelopmental disorders and neurological diseases, making them potential targets for therapeutic interventions.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.