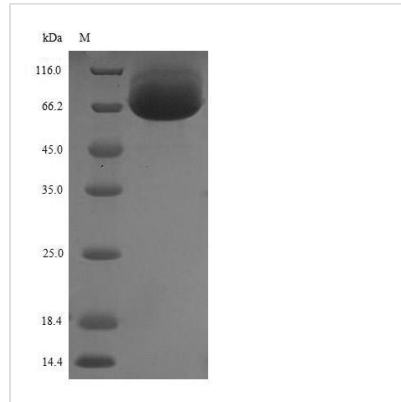




Recombinant Human Dihydropyrimidinase-related protein 5 (DPYSL5)

Product Code	CSB-EP857765HU
Relevance	May have a function in neuronal differentiation and/or axon growth.
Abbreviation	Recombinant Human DPYSL5 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.	Q9BPU6
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MLANSASVRILIKGGKVVND DCTHEADVYIENGIIQQVGRELMIPGGAKVIDATG KLVIPGGIDTSTHFHQTFMNATCVDDFYHGTKAALVGGTTMIIGHVLPDKETSL VDAYEKCRGLADPKVCCDYALHVGITWWAPKVKAEMETLVREKGVNSFQMF MTYKDLYMLRDSELYQVLHACKDIGAIARVHAENGELVAEGAKEALDLGITGPE GIEISRPEELEAEATHRVITIANRTHCPIYLVNVSSISAGDVIAAAKMQGKVVLAE TTTAHATLTGLHYYHQDWSHAAAYVTVPLRLDTNTSTYLMSELLANDTLNIVAS DHRPFTTKQKAMGKEDFTKIPHGVSGVQDRMSVIWERG VVGKMDENRFVA VTSSNAAKLLNLYPRKGRIIPGADADV VWDPEATKTISASTQVQGGDFNL YE NMRCHGVPLVTISRGRVYENG VFMCAEGTGKFCPLRSFPD TVYKKLVQREK TLKVRGVDRTPYLG DVAVV VHPGKKEMGTPLADTPTRPVTRHGGMRDLHESS FSLSGSQIDDHVPKRASARILAPPGGRSSGIW
Research Area	Neuroscience
Source	E.coli
Target Names	DPYSL5
Protein Names	CRMP3-associated molecule
Expression Region	1-564aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	66.4 kDa
Protein Length	Full Length
Image	



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

Description

The recombinant Human DPYSL5 was expressed with the amino acid range of 1-564. The calculated molecular weight for this DPYSL5 protein is 66.4 kDa. This DPYSL5 protein is produced using e.coli expression system. The N-terminal 10xHis tag and C-terminal Myc tag was fused into the coding gene segment of DPYSL5, making it easier to detect and purify the DPYSL5 recombinant protein in the later stages of expression and purification.

Human dihydropyrimidinase-related protein 5 (DPYSL5) functions as a key player in various cellular processes, notably in cellular signaling and differentiation. Its primary role involves the regulation of cell growth and differentiation, contributing to the intricate balance of cellular physiology. DPYSL5's involvement in signaling pathways makes it a subject of interest across diverse research areas. In cancer research, DPYSL5 may be explored as a potential biomarker or therapeutic target, unraveling its impact on cell proliferation and invasion. Additionally, its relevance in neurobiology could be investigated to understand its role in neuronal function and potential implications in neurodegenerative disorders.

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.