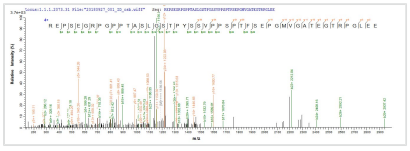
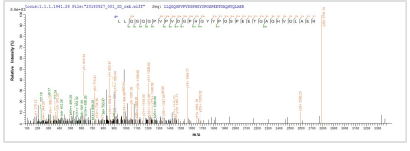
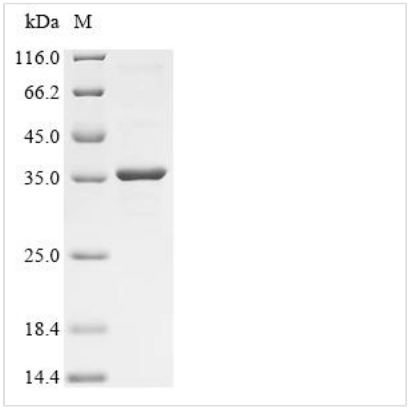
Recombinant Human Neural retina-specific leucine zipper protein (NRL)

Product Code	CSB-EP016086HU
Abbreviation	Recombinant Human NRL 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.	P54845
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MALPPSPLAMEYVNDFDLMKFEVKREPSEGRPGPPTASLGSTPYSSVPPSPT FSEPGMVGATEGTRPGLEELYWLATLQQQLGAGEALGLSPEEAMELLQGQG PVPVDGPHGYYPGSPEETGAQHVQLAERFSDAALVSMSVRELNRQLRGCGR DEALRLKQRRRTLKNRGYAQACRSKRLQQRRGLEAERARLAAQLDALRAEVA RLARERDLYKARCDRLTSSGPGSGDPSHLFL
Research Area	Others
Source	E.coli
Target Names	NRL
Protein Names	Recommended name: Neural retina-specific leucine zipper protein Short name= NRL
Expression Region	1-237aa
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	33.4 kDa
Protein Length	Full Length
Image	 Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP016086HU could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) NRL.
	 Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP016086HU could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) NRL.



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

Description

The recombinant Human NRL was expressed with the amino acid range of 1-237. The expected molecular weight for the NRL protein is calculated to be 33.4 kDa. This NRL recombinant protein is manufactured in e.coli. The NRL coding gene included the N-terminal 10xHis tag and C-terminal Myc tag, which simplifies the detection and purification processes of the recombinant NRL protein in following stages of expression and purification.

The human neural retina-specific leucine zipper protein (NRL) is a transcription factor that plays a crucial role in the development and maintenance of photoreceptor cells in the retina. NRL is predominantly expressed in rod photoreceptors and is involved in the regulation of genes associated with rod cell differentiation and function. It promotes the development of rod photoreceptors while suppressing the formation of cone photoreceptors. NRL is essential for the proper functioning of the visual system, as it contributes to the synthesis of visual pigments and the overall sensitivity of rod cells to light. Research areas related to NRL include retinal development, visual neuroscience, and potential implications for retinal diseases and therapies. Understanding NRL's role provides insights into the molecular mechanisms governing vision and may contribute to the development of treatments for retinal 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

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