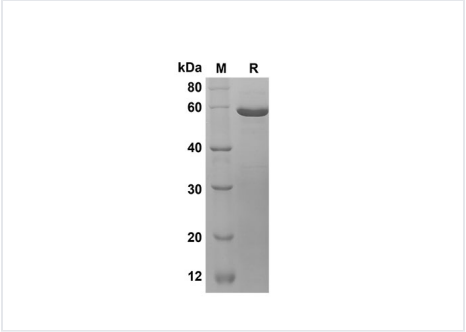
LUCIFERASE Pennsylania Firefly Recombinant Protein

PRODUCT OVERVIEW

Product Name	Luciferase, Recombinant Protein
Full Product Name	Recombinant Pennsylania firefly Luciferase Protein (His Tag)
Product Gene Name	Luciferase recombinant protein
Product Synonym Names	Pennsylania firefly Luciferase
Sequence	Met1-Leu54 5
Host	E coli
Form/Format	Lyophilized from a 0.2um filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Purity/Purification	>90% as determined by reducing SDS-PAGE.
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months.
Molecular Weight	60,649 Da
3D Structure	ModBase 3D Structure for Q27757
Species	Pennsylania firefly
Tag	N-His
Endotoxin	<10EU/mg of the protein as determined by the LAL method.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5mg/mL. Concentration is measured by UV-Vis.
Product Categories/Family for Luciferase recombinant protein	Proteins; Recombinant Proteins; Others
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Luciferase recombinant protein	MBS2580920 is a recombinant protein targeting Luciferase. Also known as Recombinant Pennsylania firefly Luciferase Protein (His Tag). Host: E coli.
Other Notes	Small volumes of Luciferase recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-PAGE of Luciferase recombinant protein
SDS-PAGE analysis of Pennsylania firefly Luciferase proteins, 2ug/lane of Recombinant Pennsylania firefly Luciferase proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 60KD

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Luciferase. It may not necessarily be applicable to this product.

NCBI GI #	41688574
NCBI GeneID	0
NCBI Accession #	Q27757.2
UniProt Primary Accession #	Q27757
UniProt Secondary Accession #	O02653
NCBI Official Full Name	Luciferin 4-monooxygenase
UniProt Protein Name	Luciferin 4-monooxygenase
Protein Family	Luciferin 4-monooxygenase
UniProt Gene Name	Luciferase
UniProt Synonym Gene Names	Luciferase
UniProt Entry Name	LUCI_PHOPE
UniProt Comments for Luciferase	Produces green light with a wavelength of 562 nm.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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