

Rhodopsin (RHO) Recombinant Protein | RHO recombinant protein

Recombinant Rhodopsin (RHO)

CATALOG # AAA153546	HOST E coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Rhodopsin (RHO); Recombinant Rhodopsin (RHO); Rhodopsin; RHO recombinant protein (prokaryotic); Human; OPN2; RP4; Opsin 2; Rod Pigment; Retinitis Pigmentosa 4; Visual Purple; RHO recombinant protein

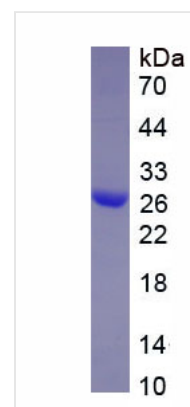
PRODUCT SPECIFICATIONS

Host	E coli
Purity/Purification	Greater than 95% by SDS-PAGE
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. Freeze-dried powder
Sequence Positions	Met1~Asn73
Applicable Applications for RHO recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Expression System	Prokaryotic expression
Species	Human
Tag	Two N-terminals, His-tag and SUMO-tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	8.9
Subcellular Location	Membrane
Research Area	Ophthalmology & Otorhinolaryngology
Preparation and Storage	Store at 2-8 degree C for one month, -80 degree C for 12 months Stable for 12 months if correctly stored.

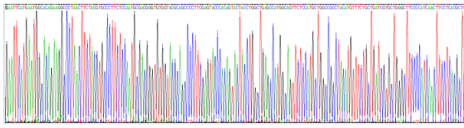
IMAGES

MNGTEGPNFY VPFSNATGVV RSPFEYPQYY LAEPWQFSML AAYMFLLIIVL
GFPINFLTLY VTVQHKKLRT PLN

Amino Acid Info
Amino Acid info



SDS-PAGE
Figure. SDS-PAGE



Sequence
Figure . Gene Sequencing (extract)

ADDITIONAL INFORMATION

Product Categories/Family for RHO recombinant protein	Prokaryotic proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506527
NCBI GeneID	6010
NCBI Accession #	NP_000530.1
NCBI GenBank Nucleotide #	NM_000539.3
UniProt Accession #	P08100; Q16414; Q2M249
Molecular Weight	38,893 Da
NCBI Official Full Name	rhodopsin
NCBI Official Synonym Full Names	rhodopsin
NCBI Official Symbol	RHO
NCBI Official Synonym Symbols	RP4; OPN2; CSNBAD1
NCBI Protein Information	rhodopsin; opsin-2; opsin 2, rod pigment
UniProt Protein Name	Rhodopsin
UniProt Gene Name	RHO
UniProt Synonym Gene Names	OPN2
UniProt Entry Name	OPSD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rho-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/153546>