abcam

Product datasheet

Recombinant Human NEIL2 protein ab124545

1 Image

Description

Product name	Recombinant Human NEIL2 protein
Purity	> 85 % SDS-PAGE. ab124545 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	Q969S2
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	**MGSSHHHHHHSSGLVPRGSHMGSH**MPEGPLVRKFHHL VSPFVGQQVVKTG GSSKKLQPASLQSLWLQDTQVHGKKLFLRFDLDEEMGP PGSSPTPEPPQK EVQKEGAADPKQVGEPSGQKTLDGSSRSAELVPQGEDD SEYLERDAPAGD AGRWLRVSFGLFGSVWVNDFSRAKKANKRGDWRDPSP RLVLHFGGGGFLA FYNCQLSWSSSPVVTPTCDILSEKFHRGQALEALGQAQP VCYTLLDQRYF SGLGNIIKNEALYRAGIHPLSLGSVLSASRREVLVDHVVEF STAWLQGKF QGRPQHTQVYQKEQCPAGHQVMKEAFGPEDGLQRLTW WCPQCQPQLSEEP EQCQFS
Predicted molecular weight	39 kDa including tags
Amino acids	1 to 332
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab124545** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE

	Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

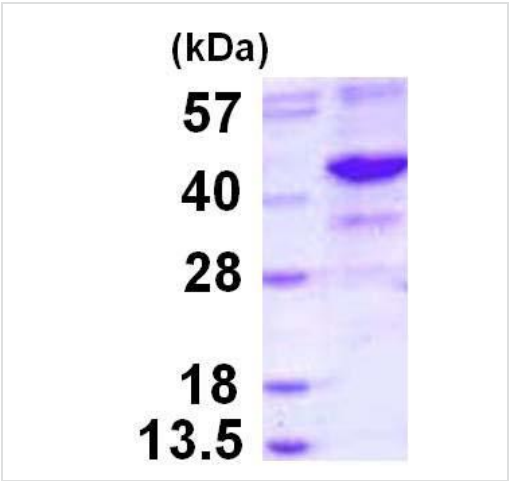
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.02% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function	Involved in base excision repair of DNA damaged by oxidation or by mutagenic agents. Has DNA glycosylase activity towards 5-hydroxyuracil and other oxidized derivatives of cytosine with a preference for mismatched double stranded DNA (DNA bubbles). Has low or no DNA glycosylase activity towards thymine glycol, 2-hydroxyadenine, hypoxanthine and 8-oxoguanine. Has AP (apurinic/apyrimidinic) lyase activity and introduces nicks in the DNA strand. Cleaves the DNA backbone by beta-delta elimination to generate a single-strand break at the site of the removed base with both 3'- and 5'-phosphates.
Tissue specificity	Detected in testis, skeletal muscle, heart, brain, placenta, lung, pancreas, kidney and liver.
Sequence similarities	Belongs to the FPG family. Contains 1 FPG-type zinc finger.
Domain	The zinc-finger domain is important for DNA binding.
Cellular localization	Nucleus.

Images



SDS-PAGE - Recombinant Human NEIL2 protein (ab124545)

15% SDS-PAGE analysis of 3 µg ab124545.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

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