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Recombinant Opsin 5 (OPN5)

Catalog Number: SIPG042Hu01 **Spec: 100ug**

Product Name	Recombinant Opsin 5 (OPN5)
Catalog Number	SIPG042Hu01
Organism Species	Human
Source	Prokaryotic expression
Host	E.coli
Residues	Met1~Thr181
Tags	N-terminal His Tag
Subcellular Location	Membrane
Purity	> 90%
Traits	Freeze-dried powder
Buffer formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Original Concentration	200μg/mL
Applications	Positive Control; Immunogen; SDS-PAGE; WB. (May be suitable for use in other assays to be determined by the end user.)
Predicted isoelectric point	9.0
Predicted Molecular Mass	24.2kDa
Accurate Molecular Mass	24kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

MALNHTALPQ DERLPHYLRD GDPFASKLSW EADLVAGFYL TIIGILSTFG NGYVLYMSSR RKKKLRPAEI MTINLAVCDL
GISVVGKPFT IISCFCHRWV FGWIGCRWYG WAGFFFGCGS LITMTAVSLD RYLKICYLSY GVWLKRKHAY ICLAAIWAYA
SFWTTMPLVG LGDYVPEPFG T

[IDENTIFICATION]

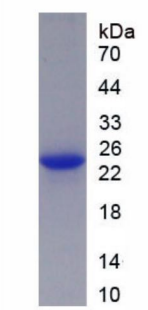


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.