Recombinant Full Length Mouse Opsin-5(Opn5) Protein, His-Tagged

Cat. No. RFL35382MF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Mouse Opsin-5(Opn5) Protein (Q6VZZ7) (1-377aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Full Length (1-377)
Form	Lyophilized powder
AA Sequence	MALNHTALPQDERLPHYLRDEDPFASKLSWEADLVAGFYLTIIGILSTFGNGYVLYMS SR RKKKLRPAEIMTINLAVCDLGISVVGKPFTIISCFCHRWVFGWFGCRWYGWAGF FFGCGS LITMTAVSLDRYLKICYLSYGVWLKRKHAYICLAVIWAYASFWTTMPLVGL GDYAPEPFG TSCTLDWWLAQASGGGQVFILSILFFCLLLPTAVIVFSYAKIIAKVKSSS KEVAHFDSRI HSSHVLEVKLTKVAMLICAGFLIAWIPYAVVSVWSAFGRPDSIPIQLSV VPTLLAKSAAM YNPIIYQVIDYRFACCQAGGLRGTKKKSLEDFRLHTVTAVRKSSAV LEIHPESSSRFTSA HVMDGESHSNDGDCGKK
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
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℃/-80℃. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	Opn5
Synonyms	Opn5; Gpr136; Pgr12; Opsin-5; G-protein coupled receptor 136; G-protein coupled receptor PGR12; Neuropsin
UniProt ID	Q6VZZ7

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