

Recombinant Mouse Nphp4 Protein (Met1-Gly478), C-His tagged

Cat. No. Nphp4-6758M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Nphp4 (Met1-Gly478) fused with the C-terminal His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Gly478
Description	Acts upstream of or within several processes, including flagellated sperm motility; photoreceptor cell maintenance; and photoreceptor cell outer segment organization. Located in several cellular components, including ciliary base; photoreceptor distal connecting cilium; and ribbon synapse. Used to study nephronophthisis 4. Human ortholog (s) of this gene implicated in Joubert syndrome 4; Senior-Loken syndrome; congenital heart disease; nephronophthisis; and nephronophthisis 4. Orthologous to human NPHP4 (nephrocystin 4).
Form	Lyophilized powder
Molecular Mass	53.58 kDa
Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.

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Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Shipping	They are shipped out with blue ice unless customers require otherwise.
GENE INFORMATION	
Gene Name	Nphp4 nephronophthisis 4 (juvenile) homolog (human) [Mus musculus (house mouse)]
Official Symbol	Nphp4
Synonyms	Nphp4; nephronophthisis 4 (juvenile) homolog (human); nmf192; 4930564O18Rik; nephrocystin-4; nephroretinin
Gene ID	260305
mRNA Refseq	NM_001355738
Protein Refseq	NP_001342667
UniProt ID	P59240