

Product information



Harmonin, 1-533aa

Cat. No. IBATGP0337

Human, His-tagged, Recombinant, *E.coli*

Synonyms: USH1C, AIE-75, DFNB18, NY-CO-37, NY-CO-38, PDZ-45, PDZ-73, PDZ-73/NY-CO-38.

NCBI Accession No.: AAH16057

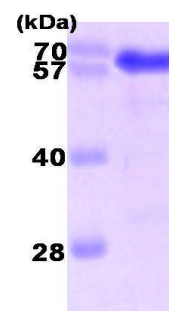
Description: Harmonin, product encoded by USH1c gene, is a scaffold protein that functions in the assembly of Usher protein complexes. Usher syndrome type I caused by mutations in USH1C is an autosomal recessive sensory defect involving congenital profound sensorineural deafness, vestibular dysfunction, and blindness due to progressive retinitis pigmentosa. Harmonin has the ability to bind to many other proteins in cell membranes and coordinates their activities. Recombinant human Harmonin protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol.

Molecular Weight: 64.6 kDa (570aa)

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

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MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMDR KVAREFRHKV DFLIENDA EK DYLYDVL RMY HQTMDVAVLV GDLKLVINEP
SRLPLFDAIR PLIPLKHQVE YDQLTPRRSR KLKEVRLDRL HPEGLGLSVR GGLEFGCGLF ISHLIKGGQA DSVGLQVGD E IVRINGYSIS
SCTHEEVINL IRTKKTVSIK VRHIGLIPVK SSPDEPLTWQ YVDQFVSESG GVRGSLGSPG NRENKEKKVF ISLVGSRGLG CSISSGPIQK
PGIFISHVKP GSLSAEVLG E IGDQIVEVNG VDFSNLDHKE GRELFMTDRE RLAEARQREL QRQELLMQKR LAMESNKILQ EEQEMERQRR
KEIAQKAAEE NERYRKEMEQ IVEEEEKFKK QWEEDWGSKE QLLLPKTITA EVHPVPLRKP KYDQGVPEL EPADDLDGGT EEQGEQDFRK
YEEGFDPYSM FTPEQIMGKD VRLLRKKEG SLDLALGGV DSPIGKVVVS AVYERGAAER HGGIVKGDEI MAINGKIVTD YTLAEADAAL
QKAWNQGGDW IDLVVAVCPP KEYDDELTFE
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General references:

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Siemens J., *et al.* (2002). *Proc Natl Acad Sci U S A.* **99**(23):14946-51.

Ouyang XM., *et al.* (2002). *Hum Genet.* **111**(1):26-30.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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