

# Recombinant Mouse Hemicentin 1 (HMCN1) Catalog # IC8531

FOR IN VITRO USE AND RESEARCHUSE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

#### [PROPERTIES]

Source: Prokaryotic expression

Host: E.coli

Residues: Gly22~Val153

Tags: N-terminal His and GST Tag

Subcellular Location: n/a

**Purity: > 90%** 

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, 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: 4.9
Predicted Molecular Mass: 18.4kDa

Accurate Molecular Mass: 45kDa as determined by SDS-PAGE reducing

conditions.

#### Phenomenon explanation:

The possible reasons that the actual band size differs from the predicted are as follows:

- 1. Splice variants: Alternative splicing may create different sized proteins from the same gene.
- 2. Relative charge: The composition of amino acids may affects the charge of the protein.
- 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
- 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
- 5. Polymerization of the target protein: Dimerization, multimerization etc.

### [USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.









## [STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C 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]

GDGTPQSES RAEEIPEGAS TLAFVFDVTG
SMYDDLVQVI EGASKILETS LKRPKRPLYN FALVPFHDPE IGPVTITTDP
KKFQYELREL YVQVSEVGNR LSLAGSLHFY NLKEVFVVSQ GTQEMSFSFP
THV

# [ IDENTIFICATION ]

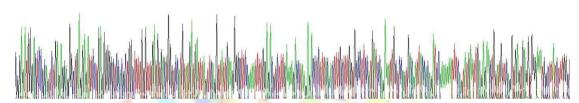


Figure. Gene Sequencing (Extract)

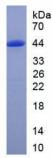


Figure. SDS-PAGE





