

Product datasheet for **MC223948**

Ehbp1 (NM_153078) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ehbp1 (NM_153078) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ehbp1
Synonyms: AF424697; Flj21950; NACSIN
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223948 representing NM_153078
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTTCAGTTTGAAGCGACTGCAGCGTGTGGGAAAACATGCATCCAAGTTCAGTTTGTGGCCTCT
ACCAGGAGCTGATGGTTGAATGTACAAAGAAATGGCAACCAGATAAACTGGTGGTTGTTGGACAAGAAG
AAGCCGAAGGAAGTCTTCCAAGGCTCACAGCTGGCAACCTGGAATAAAAAATCCATATCGTGGTGTGTT
GTTTGGCCTGTTCTGAAACATTGAAATCACTGTGACGCTGTTAAGGATCCTCATGCAGAAGAATTTG
AAGACAAAAGAAATGGACATTTGTCATTGAGAATGAATCCCTTCTGGTCCGAGGAAAAGCTCTTGCCACCAG
CAGCATTAACATGAAACAGTACGCAAGCCCATGCCAACACAACTGACGTCAAGTAAAAATTAAGCCG
CTGTCTAAGAAGGTGCTGTGCGCACTCTCCAGTTCTCACTGTCTGTATCTTCTTCCGGGAGGGAAAAAG
CAACGGATGAAGATATGCAGAGTTTGGCTAGTTTATGAGTATGAAGCAGGCAGACATTGGCAATTTAGA
TGATTTGAAGAAGATAATGAGGATGATGACGAGAACCGTGTGAACCAAGAGGAGAAGCCGCAAAAAAT
ACAGAAATGTAACCAAGTTGAATGCTCTGAGCAGCTTAGATGAAGATCAAGATGACTGCATAAAGCAAG
CAAATGTGCCCTCAGCTAAATCAGCCAGTTCCTCTGAAGAACTATAAACACACTAACTTTTGGATGA
AGCACAAAAGGACTTGGCCACTGTGAATACCAATCCATTTGATGAACCTGATGAACAGAATTAATCCCA
TTTGGAGATCCTGACTCAGAAGGTGTACAGACTCCACAGTATTTGAACCCATTTGATGAACCAGAAACTT
TTGTAATGATAAAGGATTCTCCACCCAGTCTACACGAAGAAAAAACCTAAGACCTGTAGACATGAGCAA
GTACCTCTATGCTGATAGTTCAAAGAGTGAAGAGGAACTGGATGAATCAAATCCTTTTTATGAGCCTAAG
CCAATCTCCTCAAATAATTTGGTCAATACAGTTCAAGAAGGGGAACTGAACGGAGAGTGAAGAAGGGG
CCCCAGCCCCGCCGCCCACTAGCCCCGCCAGCCCCGCCAGCCCCACCAGCCCTCACACCAAGACTGG
AGTAAATGAAAACACAGTTGTCTCTGCAGGAAAGATCTCTACTTCTCAAAGCCAAGCCCGATACCA
AGTCTGTCTGGGGCAAAGCCAAACGCTAGTCAGTCGCTGCTTGCATGGTGCAGAGAAGTTACAAAAA
ACTACCGGGCGTGAAAAACACCAACTTTACCACATCGTGGAGGAATGGCTTATCATTCTGTGCAATTTT
ACACCACTTTAGACCAGACTTAATCGACTACAAGTCTCTGAATCCTCAAGATATTAAGAAAAACAACAAA
AAGGCTTACGATGGATTTGCCAGCATTGGAATTTCCCGTTTACTGGAACCTTCTGATATGTTTTATTAG



CAATCCCTGACAACTGACTGTTATGACTTATCTCTATCAAATAAGGGCACATTTTAGCGGACAAGAACT
 AAATGTGGTTCAGATAGAGGAAAACAGCAGTAAGAGCACATATAAAGTTGGAAATATGAGACAGACACA
 AACAGTTCCTGTGGATCAAGAAAAGTTCTACGCTGAACTCAGCGATCTGAAGCGAGAGCCTGAACCTCACC
 AGCCTGCCGTGGGGCTGTGGATCTGCTGTGCGCAGGATGACTCTGTGTTGTAACGACAGTGGGGTGGG
 AGAGTCTGAAAGTGAACACCAGACTCCAGATGACCACCTTAGTCCAAGCACAGCCTCCCCTACTACCGC
 AGGACTAAGAGTGACACGGAGCCCCAAAAGTCGCAGCAGAGCTCCGCGAGGACTTCAGGGTCTGATGACC
 CTGGGTTAAGTTCAGTACTGATTCAGCTCAAGCCCTGGCTTCCCTTAGGCAAGAAGAGACTAAAAGCTGA
 GAACTTGGAACTAAGTGACTTATGTGTCAGTGACAAGAAGAAGGATGTGTCTCCACTCTCAGCTTACGAG
 CAAAAGCTTCAGACTGTACATGCCAGCAGTGATATGGAACAAGGGAAAATGGAGAAGTCCAGATCTTTAG
 AATGCAGATTGGATGGTGAATTGGCTATCACAAAGCCAAATGTATCCTCTCCTTCAAACCTGGATATAA
 CAGAGACACAGACTTCACGAAAAAACCATGTGCTTCTCTGAGGCAGATAGAGTCTGATCCAGATGCAGAC
 AAGAGCACTTTAAATCATGCAGACCACCCCAACAAAGCAGTTCAGCACCGAATGTTGTCCAGACAAGAGG
 AGCTGAAAGAAAGAGCGAGAGTTCTGCTTGAGCAAGCAAGAAGAGATGCTGCTTCAAGGTGGGAGCAA
 GCATGGTGGCAGCGCAGCCCTGCGCTCTGCAGCAGACAGCTAAATGATCAGCAAGATGAAGAGAGACGT
 CGGCAGCTGAGAGAGAGGGCTCGTCAGCTAATAGCAGAAGCTCGATGCGGAGTGAAGATGTCAGAATTC
 CCAGCTATGGTGAATGGCTGCAGAAAAGTTGAAAGAAAGGTCAAAGGCATCTGGAGATGAAAATGATAA
 TATTGAGATAGATACTAACGAAGAGATTCTGAAGGCTTTGTTGTAGGAGGTGGAGATGAACTTACTAAT
 ATAGAAAGTGACCTTGATAATCCCGAGCAGAATAGTAAGGTGGTGGACTTGAGGCTGAAGAAGCTATTAG
 AAGCCAGCCACAGGTGGCAAACCTACTCCCAGTGCTGCGCAGAAAAGCTGTAACCGAGGCCTCCGAGCA
 AGGAGAAAAGAGTGGCGTGAAGATCTCCGACTGAACGATTACAAAAAGCAACAGAACGTTTCAGAAAT
 CCTGTTGTGTTTAAACAAGGATCCACAGTCAGAAAAGACTCAGTCCAGTCTTTCAGTCAGTATGTTGAGA
 ACAGACCAGAGATGAAAAGACAGAGATCAATACAGGAAGATACAAAGAGAGGAACTGAGGAGAAGGCAGA
 GATAACTGAAACTCAGAGGAAGCCATCAGAAGATGAAAAAGGGTTCAAAGACACCAGTCAGTATGTTGTA
 GGGGAATTGGCAGCACTGGAGAATGAGCAGAAGCAAATTGACACCCGTGCCGCGCTGGTGGAGAAGCGCC
 TCCGCTATCTCATGGACACAGGAAGGAACCGAAGAAGAGGAGCGCATGATGCAGGAATGGTTCATGCT
 GGTAAATAAGAAAAATGCCTTAATAAGGAGGATGAACCAGCTTTCCTCCTGGAAAAAGAGCATGACTTA
 GAACGAAGGTATGAGCTGCTGAACCGGGAGCTACGGGCCATGCTAGCCATTGAAGACTGGCAGAAGACCG
 AGGCCCAGAAGCGACGGGAACAGCTCCTGCTGGATGAACTAGTAGCCCTGGTGGACAAGCGAGACGCCCT
 TGTCAGGGACCTGGACGCCCAGGAGAAGCAGGCCGAAGAAGAAGACGAGCATTGGAGCGAACTCTGGAG
 CAAAACAAGGCAAGATGGCCAAGAAGGAGGAGAAGTGTGCTCTCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_153078

Insert Size:

3621 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_153078.4](#), [NP_694718.4](#)

RefSeq Size: 4978 bp

RefSeq ORF: 3621 bp

Locus ID: 216565

UniProt ID: [Q69ZW3](#)

Cytogenetics: 11 14.1 cM

Gene Summary: May play a role in actin reorganization. Links clathrin-mediated endocytosis to the actin cytoskeleton. May act as Rab effector protein and play a role in vesicle trafficking (By similarity). Required for perinuclear sorting and insulin-regulated recycling of SLC2A4/GLUT4 in adipocytes.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) has an alternate splice site in the coding region, compared to variant 1. The resulting isoform (2) lacks an internal segment, compared to isoform 1.