

Ubiquitin-60S ribosomal protein L40-1 (Ub-CEP52-1), Recombinant Protein

Cat *RP13874*

Size 0.02 mg (*E-Coli*)/ 0.1 mg (*E-Coli*)/ 0.02 mg (*Yeast*)/ 0.1 mg
(*Yeast*)/ 0.02 mg (*Baculovirus*)/ 1 mg (*E-Coli*)/ 0.02 mg

(*Mammalian-Cell*)/ 0.1 mg (*Baculovirus*)/ 1 mg (*Yeast*)/ 0.1 mg
(*Mammalian-Cell*)/ 1 mg (*Baculovirus*)/ 0.5 mg (*Mammalian-Cell*)
Species *Oryza sativa* subsp. *japonica* (*Rice*)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Ubiquitin-60S ribosomal protein L40-1 (Ub-CEP52-1)

Product Gene Name

Ub-CEP52-1 recombinant protein

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

MQIFVKLTG KTITLEVESS DTIDNVKAKI QDKEGIPPDQ QRLIFAGKQL EDGRTLADYN IQKESTLHLV
LRLRGG

Sequence Positions

1-76, Full length protein

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or *Yeast* or *Baculovirus* or *Mammalian Cell*

Molecular Weight

14,784 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

NCBI Accession

XP_015629795.1

NCBI GI

1002251128

NCBI GenBank Nucleotide

XM_015774309.1

NCBI GeneID

4332169

NCBI Official Full Name

ubiquitin-60S ribosomal protein L40-2

NCBI Official Symbol

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Ubiquitin-60S ribosomal protein L40-1 (Ub-CEP52-1), Recombinant Protein

Cat *RP13874*

Size 0.02 mg (*E-Coli*)/ 0.1 mg (*E-Coli*)/ 0.02 mg (*Yeast*)/ 0.1 mg (*Yeast*)/ 0.02 mg (*Baculovirus*)/ 1 mg (*E-Coli*)/ 0.02 mg

LOC4332169 (*Mammalian-Cell*)/ 0.1 mg (*Baculovirus*)/ 1 mg (*Yeast*)/ 0.1 mg

(*Mammalian-Cell*)/ 1 mg (*Baculovirus*)/ 0.5 mg (*Mammalian-Cell*)

UBQ1; Ub-CEP52-1; OJ1175C11.2

NCBI Protein Information

ubiquitin-60S ribosomal protein L40-2

UniProt Gene Name

Ub-CEP52-1

UniProt Synonym Gene Names

UBQ1

UniProt Protein Name

Ubiquitin-60S ribosomal protein L40-1

UniProt Synonym Protein Names

Ubiquitin60S ribosomal protein L40-1Alternative name(s):CEP52

UniProt Primary Accession

P0CH34

UniProt Secondary Accession

O82079; P03993; P35296; P69321; Q10PH1; Q652Q2; Q67UR4; Q69P70; Q6ATC2; Q7XN78; Q8S5Y3

UniProt Related Accession

P0CH34

UniProt Comments

Ubiquitin: exists either covalently attached to another protein, or free (unanchored). When covalently bound, it is conjugated to target proteins via an isopeptide bond either as a monomer (monoubiquitin), a polymer linked via different Lys residues of the ubiquitin (polyubiquitin chains) or a linear polymer linked via the initiator Met of the ubiquitin (linear polyubiquitin chains). Polyubiquitin chains, when attached to a target protein, have different functions depending on the Lys residue of the ubiquitin that is linked: Lys-48-linked is involved in protein degradation via the proteasome; Lys-63-linked is involved in endocytosis, and DNA-damage responses. Linear polymer chains formed via attachment by the initiator Met lead to cell signaling. Ubiquitin is usually conjugated to Lys residues of target proteins, however, in rare cases, conjugation to Cys or Ser residues has been observed. When polyubiquitin is free (unanchored-polyubiquitin), it also has distinct roles, such as in activation of protein kinases, and in signaling .

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