

Recombinant Human WEE1 Protein Product Manual

1. Product Basic Information

Product No.: REP08656

Protein Name: Wee1 Homolog (WEE1)

Aliases: WEE1A; WEE1hu; WEE1 homolog; wee1A kinase; WEE1+ homolog; protein kinase; wee1-like protein kinase; WEE1 G2 checkpoint kinase

UniProt ID: P30291

UniProt Link: <https://www.uniprot.org/uniprotkb/P30291/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-646aa)

Molecular Weight: 77.6 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-646aa)

MSFLSRQQPPPPRRAGAACTLRQKLIFSPCSDCEEEEEEEEEEGSGHSTGEDSAF
QEPDSPLPPARSPTEPGPERRRRSPGPAPGSPGELEEDLLLPGACPGADEAGGGAE
GDSWEEEGFGSSSPVKSPAAPYFLGSSSFSPVRCGGPGDASPRGCGARRAGEGR
RSPRPDHPGTPPHKTRKRLRFDTPHTPKSLLSKARGIDSSSVKLRGSSLFMDTEKS
GKREFDVRQTPQVNINPFTPDSLLLHSSGQCRRRKRITYWNDSCGEDMEASDYELE
DETRPAKRITITESNMKSRYTTEFHELEKIGSGEFGSVFKCVKRLDGCYAIKRSKKP
LAGSVDEQNALREVYAHAVLGQHSHVVRYFSAWAEDDHMLIQNEYCNGGLADAI
SENYRIMSYFKEAELKDLLLQVGRGLRYIHSM SLVHMDIKPSNIFISRTSIPNAASEEG
DEDDWASNKVMFKIGDLGHVTRISSPQVEEGDSRFLANEVLQENYTHLPKADIFALA
LTVVCAAGAEPLPRNGDQWHEIRQGRLPRIPQVLSQEFTELLKVMIHDPERRPSA
MALVKHSVLLSASRKS AEQLRIELNAEKFN SLLQKELKKAQMAKAAAEERALFTDR
MATRSTTQSNRTSRLIGKKMNRSVSLTIY

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements)

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human WEE1 full length protein (1-646aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. WEE1, also known as WEE1A or WEE1hu or WEE1 homolog, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.