



Recombinant Human MAPK8 Protein Product Manual

1. Product Basic Information

Product No.: REP07414

Protein Name: Jnk21B1/Map Kinase Jun N-Terminal Kinase (MAPK8)

Aliases: JNK; JNK1; PRKM8; SAPK1; JNK-46; JNK1A2; SAPK1c; JNK21B1/MAP kinase JUN N-terminal kinase

UniProt ID: P45983

UniProt Link: <https://www.uniprot.org/uniprotkb/P45983/entry>

Species Source: Homo sapiens (Human)

Expression System: Baculovirus

Protein Length: Partial (4-422aa)

Molecular Weight: 49.4kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (4-422aa)

SKRDNNFYSSVEIGDSTFTVLKRYQNLKPIGSGAQGIVCAAYDAILERNVAIKKLSRPF
QNQTHAKRAYRELVLKMCVNHKNIIGLLNVFTPQKSLEEFQDVYIVMELMDANLCQV
IQMELDHERMSYLLYQMLCGIKHLHSAGIIHRDLKPSNIVVKSDCTLKILDFGLARTA
GTSFMMTPYVVTRYRAPEVILGMGYKENVDLWSVGCIMGEMVCHKILFPGRDYID
QWNKVIEQLGTPCPEFMKKLQPTVRTYVENRPKYAGYSFEKLFPDVLFPADSEHNK
LKASQARDLLSKMLVIDASKRISVDEALQHPYINVWYDPSEAEAPPPKIPDKQLDER
EHTIEEWKELIYKEVMDLEERTKNGVIRGQPSPLGAAVINGSQHPSSSSSVNDVSS
MSTDPTLASDSDSSLEAAAGP

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 when placing orders).

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 MAPK8 partial protein (4-422aa) expressed in Baculovirus. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. MAPK8, also known as JNK or JNK1 or PRKM8, 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.