



Recombinant Human ARNT Protein Product Manual

1. Product Basic Information

Product No.: REP06171

Protein Name: Dioxin Receptor, Nuclear Translocator (ARNT)

Aliases: ARNT1; HIF1B; TANGO; bHLHe2; HIF1BETA; HIF-1beta; HIF1-beta; HIF-1-beta; dioxin receptor, nuclear translocator; hypoxia inducible factor 1 subunit beta; aryl hydrocarbon receptor nuclear translocator

UniProt ID: P27540

UniProt Link: <https://www.uniprot.org/uniprotkb/P27540/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Partial (1-474aa)

Molecular Weight: 54.8kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-474aa)

MAATTANPEMTSDVPSLGPALASGNSGPGIQGGGAIVQRAIKRRPGLDFDDDDGEGN
SKFLRCDDDDQMSNDKERFARSDDEQSSADKERLARENHSEIERRRRNKMTAYITEL
SDMVPTCSALARKPKDKLTILRMAVSHMKSLRGTTGNTSTDGSYKPSFLTDQELKHLIL
EAADGFLFIVSCETGRVVYVSDSVTPVLNQPQSEWFGSTLYDQVHPDDVDKLREQL
STSENALTGRILDLKTGTVKKEGQQSSMRMCMGSRRSFICRMRCGSSSVDPVSVN
RLSFVRNRRCRNLGSKVDGEPHFVVHCTGYIKAWPPAGVSLPDDDDPEAGQGSKF
CLVAIGRLQVTSSPNCTDMSNVCQPTEFISRHNIEGIFTFVDHRCVATVGYQPQELL
GKNIVEFCHPEDQQLLRDSFQQVVKLGQVLSVMFRFRSKNQEWLWMRTSSFTFQ
NPYSDEIEYIICTNTNVKNSSQEPRPT

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

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 ARNT partial protein (1-474aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. ARNT, also known as ARNT1 or HIF1B or TANGO, 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.