



Recombinant Human Aryl hydrocarbon receptor nuclear translocator (ARNT)

Product Code	CSB-CF002121HU(A4)
Relevance	Required for activity of the Ah (dioxin) receptor. This protein is required for the ligand-binding subunit to translocate from the cytosol to the nucleus after ligand binding. The complex then initiates transcription of genes involved in the activation of PAH procarcinogens. The heterodimer with HIF1A or EPAS1/HIF2A functions as a transcriptional regulator of the adaptive response to hypoxia.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P27540
Product Type	Transmembrane Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	AATTANPEMTSDVPSLGPASGNSGPGIQGGGAIVQRAIKRRPGLDFDDDDGE GNSKFLRCDDDDQMSNDKERFARSDDEQSSADKERLARENHSEIERRRRNKM TAYITELSDMVPTCSALARKPDKLTILRMAVSHMKSLRGTGNTSTDGSYKPSFL TDQELKHLILEAADGFLFIVSCETGRVVYVSDSVTPVLNQPQSEWFGSTLYDQ VHPDDVDKLRQLSTSENALTGRILDKTGTVKKEGQQSSMRMCMGSRRSFI CRMRCGSSSVDPVSVNRLSFVRNRCRNLGSGVKDGEPHFVVHCTGYIKAW PPAGVSLPDDDDPEAGQGSKFCLVAIGRLQVTSSPNCTDMSNVCQPTEFISRH NIEGIFTFVDHRCVATVGYQPQELLGKNIVEFCHPEDQQLLRDSFQQVVKLKG QVLSVMFRFRSKNQEWLWMRTSSFTFQNPYSDEIEYIICTNTNVKNSSQEPRP TLSNTIQRPQLGPTANLPLEMGSGQLAPRQQQQQTELDMPVGRDGLASYNHS QVVQPVTGPEHNSKPLEKSDGLFAQDRDPRFSEIYHNINADQSKGISSSTVP ATQQLFSQGNTFPPTPRPAENFRNSGLAPPVTIVQPSASAGQMLAQISRHSNP TQGATPTWPTTRSGFSAQQVATQATAKTRTSQFGVGSFQTPSSSFSSMSLPG APTASPGAAAYPSLTNRGSNFAPETGQTAGQFQTRTAEGVGVWPQWQGGQQ PHHRSSSSEQHVQQPPAQQPGQPEVFQEMLSMLGDQSNNSYNNEEFPDLTMF PPFSE
Research Area	Epigenetics and Nuclear Signaling
Source	in vitro E.coli expression system
Target Names	ARNT
Protein Names	Class E basic helix-loop-helix protein 2
Expression Region	2-789aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



Tag Info	N-terminal 10xHis-tagged
Mol. Weight	90.0 kDa
Protein Length	Full Length of Mature Protein
Shelf Life	<p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.</p>