

Recombinant Homo sapiens Aryl hydrocarbon receptor nuclear translocator



Catalog No: #AP72442

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Package Size: #AP72442-1 20ug #AP72442-2 100ug #AP72442-3 1mg

Description

Product Name	Recombinant Homo sapiens Aryl hydrocarbon receptor nuclear translocator
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-474aaSequence Info:Partial
Other Names	Class E basic helix-loop-helix protein 2 ;bHLHe2Dioxin receptor, nuclear translocatorHypoxia-inducible factor 1-beta ;HIF-1-beta ;HIF1-beta
Accession No.	P27540
Uniprot	P27540
GeneID	405;
Calculated MW	54.8 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MAATTANPEMTSDVPSLGPAAIAGNSGPGIQGGGAIVQRAIKRRRPLDFDDDDGEGNSKFLRCDDDDQMSNDKERFARSDDEQSSADKERLARENHSEIERRRRNKMTAYITELSDMVPTCSALARKPKDLTILRMAVSHMKSLRGTGNTSTDGYSYKPSFLTDQELKHLILEAADGFLFIVSCETGRVVVYSDSVTPVLNQPQSEWFGSTLYDQVHPDDVDKLRQLSTSENALTGRILDLKTGTVKKEGQQSSMRMCMGSRRSFICRMRCGSSSVDPVSVNRLSFVRNRCRNLGSKVDGEPHFVVVHCTGYIKAWPPAGVSLPDDDEAGQGSKFCLVAIGRLQVTSSPNCNDMSNVCQPTEFISRHNIEGIFTFVDHRCVATVGYQPQELLGKNIVEFCHPEDQQLLRDSFQQVVKLKGQVLSVMFRFRSKNQEWLWMRTSSFTFQNPYSDEIEYIICTNTNVKNSSQEPRPT
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

Homo sapiens protein coding cDNA.Totoki Y., Toyoda A., Takeda T., Sakaki Y., Tanaka A., Yokoyama S., Ohara O., Nagase T., Kikuno R.F. Towards a catalog of human genes and proteins sequencing and analysis of 500 novel complete protein coding human cDNAs.Wiemann S., Weil B., Wellenreuther R., Gassenhuber J., Glassl S., Ansorge W., Boecher M., Bloecker H., Bauersachs S., Blum H., Lauber J., Duesterhoeft A., Beyer A.,

Note: This product is for in vitro research use only