

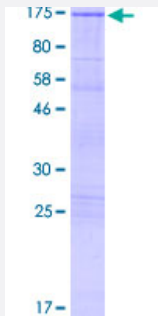
Full-Length

MAPK8IP2 (Human) Recombinant Protein (P02)

Catalog # H00023542-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MAPK8IP2 full-length ORF (AAH47527.1, 1 a.a. - 824 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MADRAEMFSLSTFHSLSPPGCRPPQDISLEEFDDDELSEITDDCGLGLSYDSHDCEKDSLGLGR
SEQPHPICSFQDDFQGFEMIDNNEEEDDEEEEEEEEEEGDGEGQEGGDPGSEAPAPGPLIPS
ASVEEPHKHRPTTLRLTTLGAQDSLNNNGGFDLVRPASWQETALCSPAPEALRELPGPLPATDT
GPGGAQSPVRPGDCCEGNRPAEPPAPGGTSPSSDPGIEADLRSSSGGRGRRSSQELSSPG
SDSEDAGGARLGRMISSISETELELSSDGGSSSSGRSSHLTNSIEEASSPASEPEPPPREPPRPA
FLPVGPDDTNSEYESGSESEPDLSADSPWLLSNLVSRMISEGSSPIRCPGQCLSPAPRPPGE
PVSPAGGAAQDSQDPEAAAGPGGVELVDMETLCAPPPPPAPAAPRPGPAQPGPCLFLSNPTRD
TITPLWAAPGRAARPGRACSAACSKEEDEEDDEEEEDAEDSAGSPGGRGTGPSAPRDASLVY
DAVKYTLVVDEHTQLELVSLRRCAGLGHDSSEDSGGEASEEEEAGAALLGGGQVSGDTSPDSPD
LTFSKKFLNVFVNSTSRSSSTESFGLFSCLVNGEEREQTHRAVFRFIPRHPDELELDVDDPVLVE
AEEDDFWFRGFNMRTGERGVFPAFYAHAVPGPAKDLLGSKRSPCWVERFDVQFLGSVEVPCH
QNGILCAAMQKIATARKLTVHLRPPASCDLEISLRGVKLSLGGGPEFQRCSHFFQMKNISFCG
CHPRNSCYFGFITKHPLLSRFACHVFVSQESMRPVAQSVGRAFLEYQEHLAYACPTEDMLE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

114.3

Interspecies Antigen Sequence

Mouse (87); Rat (86)

Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MAPK8IP2

Entrez GeneID	23542
GeneBank Accession#	BC047527.1
Protein Accession#	AAH47527.1
Gene Name	MAPK8IP2
Gene Alias	IB2, JIP2, PRKM8IPL
Gene Description	mitogen-activated protein kinase 8 interacting protein 2
Omim ID	607755
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is closely related to MAPK8IP1/IB1/JIP-1, a scaffold protein that is involved in the c-Jun amino-terminal kinase signaling pathway. This protein is expressed in brain and pancreatic cells. It has been shown to interact with, and regulate the activity of MAPK8/JNK1, and MAP2K7/MKK7 kinases. This protein thus is thought to function as a regulator of signal transduction by protein kinase cascade in brain and pancreatic beta-cells. Alternatively spliced transcript variants encoding distinct isoforms have been reported for this gene. [provided by RefSeq]

Other Designations

JNK MAP kinase scaffold protein JIP2|JNK-interacting protein 2|PRKM8 interacting protein-like|homologous to mouse JIP-1|islet-brain 2

Pathway

- [MAPK signaling pathway](#)