

Datasheet for ABIN7564050
CHPF Protein (AA 1-774) (His tag)



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Overview

Quantity:	1 mg
Target:	CHPF
Protein Characteristics:	AA 1-774
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHPF protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Chpf Protein expressed in mammalien cells.
Sequence:	<p>MRASLLLSVL RPAGPVAVG I SLGFTLSLLS VTWVEEPCGP GPPQPGDSEL PPRGNTNAAR</p> <p>RPNSVQPGSE RERPGAGAGT GESWEPRVLP YHPAQPGQAT KKA VRTRYIS TELGIRQKLL</p> <p>VAVLTSQATL PTLGVAVNRT LGHRLEHVVF LTGARGRRTP SGMAVVALGE ERPIGHLHLA</p> <p>LRHLLQHG DFDWFFLVPD ATYTEAHGLD RLAGHLSLAS ATHLYLGRPQ DFIGGDTTPG</p> <p>RYCHGGFGVL LSRTLLQQLR PHLESCRNDI VSARPDEWLG RCILDATGVG CTGDHEGMHY</p> <p>NYLESPGEP VQEGDPRFRS ALTAHPVRDP VHMYQLHKAF ARAELDRTYQ EIQLQWEIQ</p> <p>NTSRLAADGE RASAWPVGIP APSRPASRFE VLRWDYFTEQ YAFSCADGSP RCPLRGADQA</p> <p>DVADVLGTAL EELNRRYQPA LQLKQQLVN GYRRFDPARG MEYTLDLQLE ALTPQGGRWP</p> <p>LTRRVQLLRP LSRVEILPVP YVTEASRLTV LLPLAAAERD LASGFLEAFA TAALEPGDAA</p> <p>ALTLLLLYEP RQAQRAAHS D VFAPVKAHVA ELERRFPGAR VPWLSVQTAA PSPLRLMDLL</p> <p>SKKHPLDTLF LLAGPDTVLT PDLNRCRMH AISGWQAFFP MHFQAFHPAV APPQGGPGPE</p>

LGRDTGHFDR QAASEACFYN SDYVAARGRL VAASEQEEEL LESLDVYELF LRFSNLHVLR
AVEPALLQRY RAQPCSARLS EDLYHRCRQS VLEGLGSRTQ LAMLLFEQEQ GNST **Sequence**
without tag. The proposed Purification-Tag is based on experiences with the expression
system, a different complexity of the protein could make another tag necessary. In case you
have a special request, please contact us.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	CHPF
Alternative Name:	Chpf (CHPF Products)
Background:	<p>Chondroitin sulfate synthase 2 (EC 2.4.1.175) (EC 2.4.1.226) (Chondroitin glucuronyltransferase 2) (Chondroitin-polymerizing factor) (ChPF) (Glucuronosyl-N-acetylgalactosaminyl-proteoglycan 4-beta-N-acetylgalactosaminyltransferase II) (N-acetylgalactosaminyl-proteoglycan 3-beta-glucuronosyltransferase II) (N-acetylgalactosaminyltransferase 2),FUNCTION: Has both beta-1,3-glucuronic acid and beta-1,4-N-acetylgalactosamine transferase activity. Transfers glucuronic acid (GlcUA) from UDP-GlcUA and N-acetylgalactosamine (GalNAc) from UDP-GalNAc to the non-reducing end of the elongating chondroitin polymer. Seems to act as a specific activating factor for CHSY1 in chondroitin polymerization.</p>

Target Details

{ECO:0000250|UniProtKB:Q8IZ52}., FUNCTION: [Isoform 2]: May facilitate PRKN transport into the mitochondria. In collaboration with PRKN, may enhance cell viability and protect cells from oxidative stress. {ECO:0000250|UniProtKB:Q8IZ52}.

Molecular Weight: 85.5 kDa

UniProt: [Q6IQX7](#)

Pathways: [Glycosaminoglycan Metabolic Process](#), [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months