

Product datasheet for TP303197M

CHPF (NM_024536) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chondroitin polymerizing factor (CHPF), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203197 protein sequence Red =Cloning site Green =Tags(s)

MRASLLLSVLRPAGPVAVGISLGFTLSLLSVTWVEEPCGPGPPQPGDSELPPRGNTNAARRPNSVQPGAE
REKPGAGEGAGENWEPRVLPYHPAQPGQAACKAVRTRYISTELGIRQRLVAVLTSQTTLPTLGVAVNRT
LGHRLERVVFLTGARGRRAPPGMAVWTLGEERPIGHLHLALRHLLQHGDDFDWFFLVPDTTYTEAHGLA
RLTGHLASLAAHLYLGRPQDFIGGEPTPGRYCHGGFGVLLSRMMLLQQLRPHLEGCRNDIVSARPDEWLG
RCILDATGVGCTGDHEGVHYSHLELSPGEPVQEGDPHFRSALTAHPVRDPVHMYQLHKAFARAELEPTYQ
EIQELQWEIQNTSHLAVDGDRAAAWPVGIPAPSRPASRFEVLRWDYFTEQHAFCADGSPRCPLRGADRA
DVADVLGTALEELNRRYHPALRLQKQQLVNGYRRFDPARMEYTLDLQLEALTPQGRRPLTRRVQLLRP
LSRVEILPVPYVTEASRLTVLLPLAAAERDLAPGFLEAFATAALEPGDAAAALLLLLYEPQAQRVAHA
DVFAPVKAHVAELERRFPGARVPWLSVQTAAPSPLRLMDLLSKKHPLDTLFLLAGPDTVLTPDFLNRCRM
HAISGWQAFFPMHFQAFHPAVAPPQGPPELGRDTGRFDRQAASEACFYNSDYVAARGRLAAASEQEEE
LLESLDVYELFLHFSSLHVLRAVEPALLQRYRAQTCSARLSEDLYHRCLQSVLEGLSRTQLAMLLFEQE
QGNST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

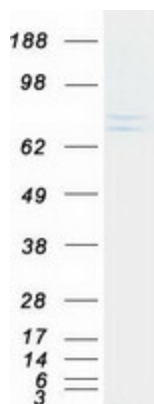
Tag:	C-Myc/DDK
Predicted MW:	85.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_078812
Locus ID:	79586
UniProt ID:	Q8IZ52
RefSeq Size:	3013
Cytogenetics:	2q35
RefSeq ORF:	2325
Synonyms:	CHSY2; CSS2
Summary:	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. Isoform 2 may facilitate PRKN transport into the mitochondria. In collaboration with PRKN, isoform 2 may enhance cell viability and protect cells from oxidative stress.[UniProtKB/Swiss-Prot Function]
Protein Families:	Druggable Genome
Protein Pathways:	Chondroitin sulfate biosynthesis, Metabolic pathways

Product images:



Coomassie blue staining of purified CHPF protein (Cat# [TP303197]). The protein was produced from HEK293T cells transfected with CHPF cDNA clone (Cat# [RC203197]) using MegaTran 2.0 (Cat# [TT210002]).