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Product datasheet for TP312216M

PRAS40 (AKT1S1) (NM_001098633) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human AKT1 substrate 1 (proline-rich) (AKT1S1), transcript variant 3, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC212216 representing NM_001098633 Red=Cloning site Green=Tags(s) MASGRPEELWEAVVGAAERFRARTGTELVLLTAAPPPPPRPGPCAYAAHGRGALAEAARRCLHDIALAHR AATAARPPAPPPAPQPPSPTPSPPRPTLAREDNEEDEDEPTETETSGEQLGISDNGGLFVMDEDATLQDL PPFCESDPESTDDGSLSEETPAGPPTCSVPPASALPTQQYAKSLPVSVPVWGFKEKRTEARSSDEENGPP SSPDLDRIAASMRALVLREAEDTQVFGDLPRPRLNTSDFQKLKRKY TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	27.2 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.
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_001092103
Locus ID:	84335

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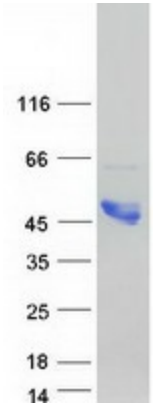
UniProt ID:	Q96B36, A0A024QZF6
RefSeq Size:	1789
Cytogenetics:	19q13.33
RefSeq ORF:	768
Synonyms:	Lobe; PRAS40
Summary:	AKT1S1 is a proline-rich substrate of AKT (MIM 164730) that binds 14-3-3 protein (see YWHAH, MIM 113508) when phosphorylated (Kovacina et al., 2003 [PubMed 12524439]).[supplied by OMIM, Mar 2008]

Product images:



Coomassie blue staining of purified AKT1S1 protein (Cat# [TP312216]). The protein was produced from HEK293T cells transfected with AKT1S1 cDNA clone (Cat# [RC212216]) using MegaTran 2.0 (Cat# [TT210002]).