

PCBP2 Protein, Human, Recombinant (His & Myc)

General Information

Synonyms:	Poly(rC)-binding protein 2;PCBP2;Heterogeneous nuclear ribonucleoprotein E2 (hnRNP E2); Alpha-CP2
Protein Construction:	1-365 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q15366
Molecular Weight:	46.0 kDa (predicted)
AA Sequence:	MDTGVIEGGLNVTLRLLMHGKEVGSIIIGKKGESVKKMREESGARINISEGNCPERIITLAGPTNAIFKAFAMIID KLEEDISSSMTNSTAASRPVTLRLVVPASQCGSLIGKGGCKIKEIRESTGAQVQVAGDMLPNSTERAITIAGIP QSIIECVKQICVVMLETLSQSPPKGVTIPYRKPSSSPVIFAGGQDRYSTGSDSASFPHTTPSMCLNPDLEGPPL EAYTIQGQYAIQPDLTKLHQLAMQQSHFPMTHGNTGFSGIESSSPEVKGYWGLDASAQTTSHELTIPNDLIG CIIGRQGAKINEIRQMSGAQIKIANPVEGSTDRQVITGSAASISLAQYLINVRLSSETGGMGSS

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/ μ g of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μ g/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

A DRUG SCREENING EXPERT

Single-stranded nucleic acid binding protein that binds preferentially to oligo dC. Major cellular poly(rC)-binding protein. Binds also poly(rU). Negatively regulates cellular antiviral responses mediated by MAVS signaling. It acts as an adapter between MAVS and the E3 ubiquitin ligase ITCH, therefore triggering MAVS ubiquitination and degradation.; (Microbial infection) In case of infection by poliovirus, binds to the viral internal ribosome entry site (IRES) and stimulates the IRES-mediated translation. Also plays a role in initiation of viral RNA replication in concert with the viral protein 3CD.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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