

ELAVL4 Protein, *Xenopus tropicalis*, Recombinant (His)

General Information

Synonyms: elavl4;elrD;ELAV-like protein 4;Protein ElrD

Protein Construction: 1-400 aa

Species: *Xenopus tropicalis*

Expression Host: *E. coli*

Accession: A4QNI8

Molecular Weight: 50.2 kDa (predicted)

AA Sequence: MEWNGLKMIISTMEPQVSNQPTSNTSNGPSSNSRNCPSMQTGAATDDSKTNLIVNYLPQNMTQEEFRSLF
GSIGEIESCKLVRDKITGTQFEEHFKDLATGKWKPLTEEGPIFGKGQSLGYGFVNYIDPKDAEKAINLNLRL
QTKTIKVSYPSSASIRDANLYVSGLPKMTQKELEQLFSQYGRITSRILVDQVTGVSRRGVGFIRFDKRIEAE
AIKGLNGQKPSGAAEPITVKFANNPSQKTSQALLSPLYQSPNRRYPGLHHAQRFRLDNLLNMAYGVKRF
SPITIDGMTSLVGMNIPGHTGTGWCIFVYNLSPDSESVLWQLFGPFGAVNNVKVIRDFNTNKCKGFGFVTMT
NYDEAAMAIASLNGYRLGDRVLQVSFKTNKTHKS

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

RNA-binding protein that is involved in the post-transcriptional regulation of mRNAs. Plays a role in the regulation of mRNA stability, alternative splicing and translation. Binds to AU-rich element (ARE) sequences in the 3' untranslated region (3'UTR) of target mRNAs. Mainly plays a role in neuron-specific RNA processing.

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