

## ILF2 Protein, Human (GST)

<b>Cat. No.:</b>	HY-P700525
<b>Synonyms:</b>	ILF2; interleukin enhancer binding factor 2, 45kDa; interleukin enhancer binding factor 2, 45kD; interleukin enhancer-binding factor 2; NF45;
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	Q12905 (M1-E390)
<b>Gene ID:</b>	3608
<b>Molecular Weight:</b>	70.1 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> MRGDRGRGRG   GRFGSRGGPG   GGFRPFVPHI   PFD FYLC EMA FPRVKPAPDE    TSFSEALLKR   NQDLAPNSAE   QASILSLVTK INNVIDNLIV    APGTFEVQIE   EVRQVGSYKK   GTMTTGHNVA DLVVILKILP    TLEAVAALGN   KVVESLRAQD   PSEVLTMLTN ETGFEISSSD    ATVKILITTV   PPNLRKLDPE   LHLDIKVLQS ALAAIRHARW    FEENASQSTV   KVLIRLLKDL   RIRFPGFEP L TPWILDLLGH    YAVMNNPTRQ   PLALNVAYRR   CLQILAAGLF LPGSVGITDP    CESGNFRVHT   VMTLEQQDMV   CYTAQTLVRI LSHGGFRKIL    GQEGDASYLA   SEISTWDGVI   VTPSEKAYEK PPEKKEGEEE    EENTEPPQG    EEEESMETQE </pre>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	SLC44A1 functions as a choline/H <sup>+</sup> antiporter, playing a crucial role in the transport of choline across cellular membranes. Additionally, it acts as a high-affinity ethanolamine/H <sup>+</sup> antiporter, thereby regulating the availability of extracellular ethanolamine and contributing to the balance between the CDP-cho and CDP-ethanolamine arms of the Kennedy pathway.
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This multifaceted role positions SLC44A1 as a key player in membrane synthesis and myelin production, underlining its significance in cellular processes related to lipid metabolism and membrane homeostasis.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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