Product Data Sheet

Product Name: Recombinant Human α-Synuclein (1-140), Hilyte™ Fluor 488 Labeled

Catalog Number: AS-55457
Lot Number: See label on vial
Amount: 200 μg
Source: The recombinant human α-synuclein (1-140) (GenBank Accession # NP_000336) was expressed and purified from E. coli and conjugated with the fluorescence dye HiLyte™ Fluor 488.
Purity: Greater than 90% as determined by SDS-PAGE.
Fluorescence: Green fluorescence. Excitation/Emission wavelengths= 490nm/525nm
DOS: See label on the vial
Storage: HiLyte™ Fluor 488 labeled human α-synuclein is supplied frozen at 1 mg/ml in 10 mM sodium phosphate buffer (pH=7.0). Store at 2-4 ºC for immediate use within 1 week or at –80 ºC for up to 12 months. Keep in dark and avoid repeated freeze-thaw cycles.

Description: Parkinson’s disease is predominantly a movement disorder resulting from degeneration of dopaminergic neurons in the substantia nigra. The cause of the disease is unknown, but substantial evidence suggests that the aggregation of α-synuclein is a critical step in the etiology of Parkinson’s disease (PD). α-Synuclein is an abundant brain protein of 140 residues that present in high concentration at presynaptic terminals and is found in both soluble and membrane-associated fractions of the brain. Several possible functions have been suggested, and it appears to be involved in vesicle release and trafficking.

Related Products

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<thead>
<tr>
<th>Product Name</th>
<th>Cat. #</th>
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<tbody>
<tr>
<td>EndoClearPlus Recombinant human α-synuclein (1-140)</td>
<td>AS-56081</td>
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<tr>
<td>Recombinant Human β - Synuclein (1 - 134)</td>
<td>AS-55458</td>
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<tr>
<td>SensoLyte® Anti-α-Synuclein (Human) ELISA Kit</td>
<td>AS-55550-H</td>
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<tr>
<td>EndoClear Recombinant human α - synuclein (1 - 140)</td>
<td>AS-55555</td>
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<tr>
<td>Recombinant human α - synuclein (1 - 140), biotin labeled</td>
<td>AS-55581</td>
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</tbody>
</table>

References:

For in vitro research use only.