

Product datasheet for **TP761831**

Adenine Nucleotide Translocator 2 (SLC25A5) (NM_001152) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of human ADP/ATP translocase 2(SLC25A5), full length with N-terminal GST and C-terminal His tag, expressed in E.coli, 50ug |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | A DNA sequence encoding human full-length SLC25A5 |
| Tag: | N-GST and C-His |
| Predicted MW: | 60.7 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 50 mM Tris-HCl, pH 8.0, 8 M urea |
| 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_001143 |
| Locus ID: | 292 |
| UniProt ID: | P05141 , Q6NVC0 |
| RefSeq Size: | 1351 |
| Cytogenetics: | Xq24 |
| RefSeq ORF: | 894 |
| Synonyms: | 2F1; AAC2; ANT2; T2; T3 |


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Summary:

This gene is a member of the mitochondrial carrier subfamily of solute carrier protein genes. The product of this gene functions as a gated pore that translocates ADP from the cytoplasm into the mitochondrial matrix and ATP from the mitochondrial matrix into the cytoplasm. The protein forms a homodimer embedded in the inner mitochondria membrane. Suppressed expression of this gene has been shown to induce apoptosis and inhibit tumor growth. The human genome contains several non-transcribed pseudogenes of this gene.[provided by RefSeq, Jun 2013]

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Calcium signaling pathway, Huntington's disease, Parkinson's disease

Product images:

