

## SLC5A5 Protein, Human, Recombinant (B2M & His)

### General Information

Synonyms:	Solute carrier family 34 member 2;Sodium-phosphate transport protein 2B;Sodium-dependent phosphate transport protein 2B;Na(+)-dependent phosphate cotransporter 2B;NaPi3b;Sodium/phosphate cotransporter 2B (Na+)/Pi cotransporter 2B;NaPi-2b);SLC34A2
Protein Construction:	574-689 aa
Species:	Human
Expression Host:	E. coli
Accession:	O95436
Molecular Weight:	27.1 kDa (predicted)
AA Sequence:	LLQSRCPRVLPKKLQNWFLPLWMRSLKPWDAVVSFKFTGCFQMRCCCCRVCCRACLLCDCPKCCRCCKC CEDLEEAQEGQDVPVKAPETFDNITISREAQGEVPASDSKTECTA

### 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/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### 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

May be involved in actively transporting phosphate into cells via Na(+) cotransport. It may be the main phosphate transport protein in the intestinal brush border membrane. May have a role in the synthesis of surfactant in lungs' alveoli.

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