

# Protein

## Tips for People with Chronic Kidney Disease (CKD)

### What Is Protein?

Protein is in many foods that you eat. Protein can be found in foods from animals and from plants. Most diets include both types of protein. Protein provides the building blocks that help maintain and repair muscles, organs, and other parts of the body.

#### Animal-protein Foods

- Meat, such as pork, beef, chicken, turkey, duck
- Eggs
- Dairy products, such as milk, yogurt, cheese
- Fish



#### Plant-protein Foods

##### High Protein

- Beans, peas, lentils
- Soy foods, such as soy milk, tofu
- Nuts and nut spreads, such as almond butter, peanut butter, soy nut butter
- Sunflower seeds



##### Low Protein

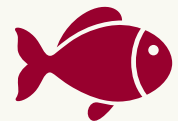
- Bread, tortillas
- Oatmeal, grits, cereals
- Pasta, noodles, rice
- Rice milk (not enriched)



### Why Is Protein Important for People with CKD?

When your body uses protein, it produces waste. This waste is removed by the kidneys. Too much protein can make the kidneys work harder, so people with CKD may need to eat less protein.

Animal protein includes all of the building blocks that your body needs. Plant proteins need to be combined to get all of the building blocks that your body needs.



## How Do I Eat the Right Amount of Protein?

Your dietitian will tell you what amount and types of protein are right for you. Here is some general information about protein types and serving sizes:

- Eat smaller portions of meat and dairy. This will also help you lower the amount of phosphorus in your diet, because phosphorus is found in meat and dairy foods.

- **Meat, poultry, and fish:** A cooked portion should be about 2 to 3 ounces or about the size of a deck of cards.



- **Dairy foods:** A portion is ½ cup of milk or yogurt, or one slice of cheese.



- Plant proteins should make up the rest of the protein that you eat. A serving is:

- ½ cup of cooked beans

- ¼ cup of nuts

- a slice of bread



- ½ cup of cooked rice or noodles

## What if I Am a Vegetarian?

There are many good sources of protein for people who do not eat meat or dairy foods. Talk to your dietitian about how to combine plant proteins to be sure you are getting all of the building blocks your body needs.

**Notes:** \_\_\_\_\_

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For more information, visit [www.nkdep.nih.gov](http://www.nkdep.nih.gov) or call 1-866-4 KIDNEY (1-866-454-3639).

The National Kidney Disease Education Program (NKDEP) encourages people to get tested for kidney disease and educates those with kidney disease and their providers about treatments that can help delay or prevent kidney failure. NKDEP is a program of the National Institutes of Health.

